

CHEMIST and DRUGGIST

AUGUST 22, 1942

The



CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Founded 1859

28 Essex Street, Strand London, W.C.2

Registered as a Newspaper

3 2 6 3
CXXXVIII

AUGUST 22, 1942

Annual Subscription (with
Diary) 25/- Single Copies 9d

MACFARLAN'S

ALKALOIDS AND ANÆSTHETICS

have attained during over
a century of experience,
an unassailable reputation
for purity and reliability

J. F. MACFARLAN & CO.

Makers of Pharmaceuticals
since 1780



109, Abbeyhill, Edinburgh.

8, Elstree Way, Boreham Wood, Herts



“**A** policy of supplying only the finest pharmaceutical preparations, at reasonable prices, has been consistently maintained for over 75 years.”

Thus does GOODWILL increasingly grow on a sound foundation.

**BULK DRUGS ★ DISINFECTANTS
TOILET PREPARATIONS ★
★ PACKED PHARMACEUTICALS**

WRIGHT, LAYMAN & UMNEY
LIMITED
SOUTHWARK • LONDON • HOP 2315

OSTERMILK—

A SHORTAGE OF MEASURES

To avoid over- or under-feeding of bottle-fed infants, it is essential that the exact amount of Ostermilk be given, and for this reason every tin has normally contained its own measure. To-day, the war needs of metal make it impossible for us to do this.

Alternative methods of measurement are not satisfactory. Spoons vary in size; measuring glasses give uncertain results, while weighing presents difficulties to many mothers.

We propose, therefore, to supply you with a number of measures for distribution to your own customers. Every customer should be asked to keep the measure throughout the period of feeding; to use the *right* measure (plain for Ostermilk No. 1; and marked with the figure 2 for Ostermilk No. 2). The measures may be sterilised by boiling before use.

Measures are available in packs containing two of No. 1 and four of No. 2. They will be sent to you **free and post free upon request**. Our daily press advertisements will advise mothers to come to you, and we therefore ask you to maintain always a small stock of these measures.



Glaxo Laboratories Ltd.

**PRODUCT OF THE
GLAXO LABORATORIES**

Greenford, Middx. BY Ron 3434

Iron requirements of the Human Body



‘Ribothiron’

Iron is an essential for life—a vital element in the formation of hæmoglobin. Physiologically, need for it is greatest during adolescence, through the menarche, and in pregnancy and lactation. Iron deficiency anæmias are most likely to occur during these periods.

Since iron can be utilised only after it has been reduced to

the ferrous state, ‘Ribothiron’ Tablets are especially indicated in restoring and maintaining iron requirements of the patient.

Each tablet contains ferrous sulphate 3 grs., together with Vitamin B₁ (thiamine hydrochloride) 0.2 mg. and Vitamin B₂, (riboflavin) 10 mg. These vitamins are particularly helpful, and in many cases of anaemia there is a concomitant deficiency of these Vitamin B factors.

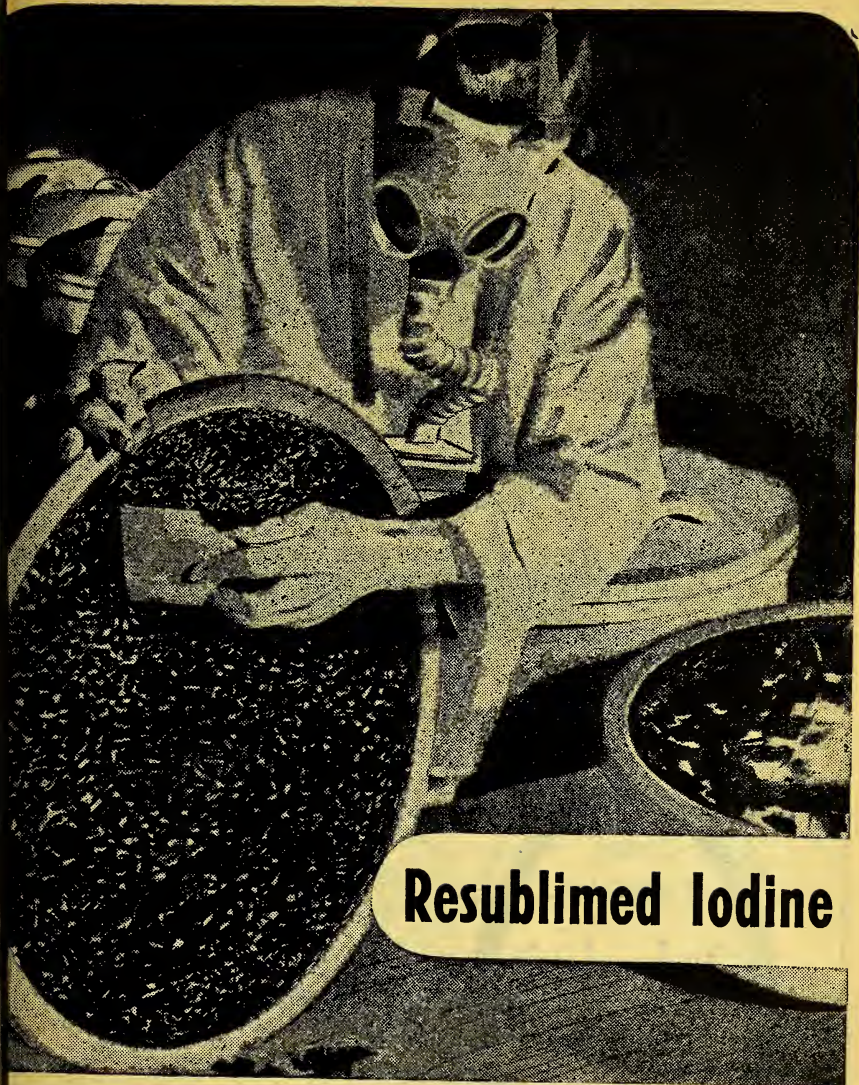
‘Ribothiron’ Tablets are green-coated and are supplied in bottles of 40.

Sharp & Dohme Ltd

MULFORD BIOLOGICAL LABORATORIES

HODDESDON

HEP



Resublimed Iodine

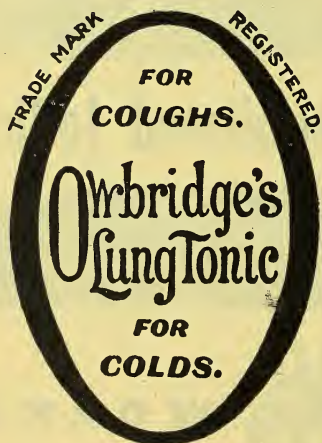
FINE CHEMICAL WORKS
EVANS

EVANS SONS LESCHER & WEBB LTD



This symbol is your guarantee of quality, purity and reliability, backed up by a distinctively pharmaceutical sales policy. Kerfoot products are sold to the public through Chemists only.

THOMAS KERFOOT & CO. LTD
Vale of Bardsley . . . Lancashire



We regret that owing to the shortage of raw materials we have been compelled to ration supplies to our customers.

We should like to express our sincere thanks to all for the spirit in which this unavoidable restriction has been accepted, and for the ready appreciation of our difficulties, as shown by the many letters we have received.

W. T. Owbridge, Ltd., The Laboratory, Hull

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CALVEX
BRAND
CARBOLIC
OINTMENT
YOUR FIRST AID

KEEP IT ON DISPLAY!
National advertising ensures public demand

Recommend Calvex for Chilblains, Chapped Hands, Piles and Ulcers

The "MODERN" TEAT

ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

- Ball Top, one-hole perforation, ensuring constant and steady flow.
- Rubber shoulder protects baby's mouth.
- Tab enables teat to be slipped over bottle in an instant with minimum handling.



- General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THERE-BY RESEMBLING THE NATURAL NIPPLE.
- Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.
- Will stand Repeated STERILISATION.

MODERN in design and must be TRIED to be appreciated.

NEAREST TO NATURAL FEEDING

"MODERN" Teat has been specifically designed to meet the needs of both MOTHER and BABY, and—what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

OBTAINABLE OF ALL WHOLESALERS

THE CANNON RUBBER MANUFACTURERS LTD., LONDON, N.17

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Moorland Displays Build Sales Future



Our consistent advertising and your consistent displays of Moorland show material will enable you to build up goodwill, so that when war-time restrictions on raw materials are rescinded you will reap the benefit from greatly increased sales. Public demand for Moorlands is growing day by day and week by week.



MOORLAND INDIGESTION TABLETS

W. B. CARTWRIGHT LTD., RAWDON, LEEDS.



"I know it is difficult"

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.

There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users.

Special Chemists' Display Material is still available, so write to-day for a supply.

**RENDELLS
SILATEX
SANTRON
MENSINOLE**

RENDELLS PRODUCTS

For Feminine Hygiene

RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1

Thinking of

PILLS and TABLETS

you think of

COX

of Brighton

The
SPECIALISTS

*who for 103 years
have provided a
Service that has
inspired confidence
throughout the world*



1839

1942

PINE NEEDLE OIL

SIBERICA TYPE

We have control of the sale of
this oil in Great Britain and the
Colonies for the largest Distiller

Enquiries invited

Stocks held in London

*Please let us have your enquiries also
for SPIKE LAVENDER OIL
ANISEED OIL, ROSEMARY OIL
PALMA ROSA OIL, ETC.
ARTIFICIAL LAVENDER, JASMIN
NEROLI, ROSE, ETC.*

**STEPHENS BROTHERS
& BANNER LIMITED**

27-8 FINSBURY SQUARE
LONDON, E.C.2

My Lady's VANISHING CREAM

Prepare your own supplies of this high-grade
Vanishing Cream. Easy to make up, costs less
than 3d. per oz.

All materials available, also Stearic Acid, Lanoline,
Perfume, Emulsifier, Agar Agar, Beeswax,
Ceresine Wax, Spermaceti, Jars with screw caps
and smart gold seal labels.

Send for list to Phone: Langham 1183
BRICCAS LTD., 4 Cavendish Place, London, W.1

The PIFCO INFRA-RED & RADIANT HEAT

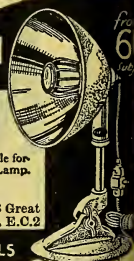
Lamp

Lost holidays, extra working hours and
more worries take toll on health. The
benefits of Infra-Red Rays in combating
"nerves" and treating such ills as Lumbago,
Neuralgia, Rheumatism and Sciatica,
etc., are making big demands for this simple for-
the-home Infra-Red and Radiant Heat Lamp.
Take your share of this business.

Write for fullest particulars to-day

PIFCO LTD., London: 63 Great
Watling St., Manchester Eastern St., E.C.2

DEFEATS THE WINTER CHILLS



MARLENE PRODUCTS

offer the following well-known and popular

FACE POWDERS

JANE GARDEN

16/6 per doz. + 11/- Tax
Retail 2/11 per 1-oz. Box

JEANNE ET CIE

30/- per doz. + 20/- Tax
Retail 5/2 per 2-oz. Box

THESE POWDERS ARE AVAILABLE IN SIX SHADES: NATURAL, PEACH, RACHEL, DEEP PEACH, OCHRE AND SUNTAN, AND ARE PACKED IN NEAT AND ATTRACTIVE BOXES

ALSO AVAILABLE.— $\frac{1}{2}$ -lb. CONTAINERS
for TALCUM POWDER. Smart design.
50/- per gross. Minimum order, 6 doz
SLUMBER HELMETS, 72/- per gross +
33 $\frac{1}{2}$ % tax. All shades.

LACQUER. 3 dram. sq. bottles, bakelite
capped. 20/- doz. inc. tax, in following shades:
Natural, Clear, and Flame only. This is defi-
nitely last opportunity. Only small stock left.

CASH WITH ORDERS. CARRIAGE PAID. DELIVERY APPROXIMATELY 7-10 DAYS

MARLENE PRODUCTS, 18 WALTHAM AVENUE, KINGSBURY, LONDON, N.W.9

you require . . .

ESSENTIAL OILS & PERFUMERY COMPOUNDS

for Cosmetics, Lotions and all other purposes

. . . please apply to

Samples on request

O.S. DANIEL & CO LTD
116 FENCHURCH STREET, LONDON, E.C.3

PHONE
ROYAL 5834

LABELS

Specialists in the
Design & Printing
of Medical & Toilet
Labels — Send for
Free Sample Ranges

MARILLON PRESS Ltd BOURNEMOUTH

Artists in the Production of Fine Labels

SILCOT

(COTTON WOOL) AND

Silvena

(SOLUBLE)

SANITARY TOWELS

Silcot Towels are made in two styles and three sizes that cover fully the requirements of the trade.

Silvena Soluble Towels are made in the Trade Standard size only.

Suitable Showcards in colour with orders for 1 Gross Packets assorted.

PRICES

SILCOT Style 1 (with non-absorbent back)	Wholesale Packets of 12	Retail
Standard Size ...	13/3 per doz. pkts.	1/6 pkt.
Large Size ...	17/6 " " "	2/- " "
Extra Large Size...	22/- " " "	2/6 " "

SILCOT Style 2 (All White Wool)	Wholesale	Retail
Standard Size ...	13/3 " " "	1/6 " "
Large Size ...	17/6 " " "	2/- " "
Extra Large Size...	22/- " " "	2/6 " "

SILVENA (Soluble)	Wholesale	Retail
Standard Size ...	11/8 " " "	1/4 " "

NOTE FOR THE BUYER.

In view of the fact that large numbers of Towels are now on the market without loops will buyers please note that all SILCOT and SILVENA Towels are made with loops.

JAMES MACDONALD
DAWSON STREET, GREENGATE, SALFORD.3

ZEAL

Clinicals

The Choice
of Experts

BRITISH
MADE

NO HIGHER
IN PRICE THAN
NONDESCRIPT
MAKES

Also Household, Bath
and Works Thermometers,
the best of their kind

G. H. ZEAL LTD.
LOMBARD RD., MORDEN RD.,
LONDON, S.W.19
Phone : Liberty 2283-4-5

ASTHMA

*sufferers are always
grateful if you
recommend —*

DR SINGHA

ASTHMA TABLETS

The Original and still the Best Remedy for
ASTHMA, BRONCHIAL ASTHMA
AND BREATHING DIFFICULTIES
P.A.T.A. Terms from all Wholesale Houses
Prices: 1/8½, 5/7½, 13/5
(Including Tax)

THE DR. SINGHA CO., LTD
Caernarvon, North Wales

FOOTING THE BILL

“Production must be doubled!” says the Minister of Supply.
“We must deliver the goods!” urges Lord Beaverbrook.

It may seem a long way from political issues, but, in actual fact, the fulfilment of Britain's promises depends not a little on whether the workers' feet can 'stand up to' the strain.

Nothing produces more fatigue, general ill-health and mental exhaustion than feet in bad condition. Both Government and industrial authorities are making the workers conscious of the need for more foot care. Scholl advertising, too, is teaching people to go in for expert treatment, and creating an increasing number of confirmed Scholl users.

To take up Scholl Foot Aids and Appliances at this juncture is therefore not only most profitable—but a real contribution to the war effort. By stocking and displaying Scholl's, you can do excellent business in replacements and renewals, as well as making many grateful new customers and good war workers.

There is little need for us to urge the efficiency of Scholl Foot Aids and Appliances. That is a matter of long standing.

Get in touch with us—and let us help you create a lively source of revenue as well as help Britain “foot the bill!”

Scholl Manufacturing Co. Ltd. 182-204 St. John St. London, E.C.1



THE "MATER"

CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 100.

**ALL TYPES OF
CLINICAL
AND OTHER
THERMOMETERS**

**PERKEN, SON
& CO. LTD.**

(ESTABLISHED 1852)

Price List on Application:

**8 HATTON GARDEN,
LONDON, E.C.1**

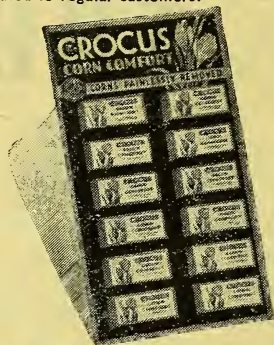
Telephone: 0724 Holborn

Telegrams: "Optimus, Smith, London."

"CROCUS CORN COMFORT"

★ New War-Time Pack

Packed 1 doz. display container card 5/10 including purchase tax. Retail 9d. each inc. tax. In view of restricted supplies of rubber, strictly rationed quantities only of all lines will be allocated to regular customers.



WILLIAM MATHER LIMITED
Dyer Street, Manchester, 15 (Est. 1826)



**GUARANTEED
FOR THREE YEARS IN
ANY CLIMATE**

Can be boiled repeatedly without deterioration. Packed in separate transparent envelopes in attractive display boxes.

Awarded the Certificate of
the Royal Institute of Public
Health and Hygiene.

LEWIS WOOLF LTD.
144 OAKFIELD ROAD
SEELY OAK
BIRMINGHAM, 29

Grip-tight
TRANSPARENT LATEX
FEEDTEATS

INGRAM'S NEW PATENT GREEN BAND TEAT

An addition to Ingram's Original "AGRIPPA" SERIES

**Transparent.
Hygienic.**

THE
'SPIRAL'

**Best for
Baby.**



No. 1
'Agrippa'
shape

GREEN BAND TEAT WITH A ROLLED END

Made from pure para rubber.

The Harder the teat is pulled the tighter it grips.

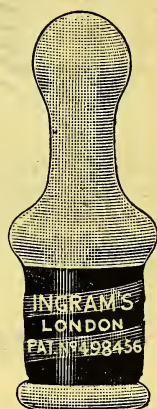
Fits on practically all feeding bottles.

The Patent "Spiral" Band is now fitted to Ingram's four popular shapes.

Each Teat in a carton. One dozen in a box.

ON THE P.A.T.A.

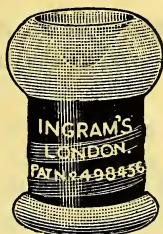
From all Wholesale Houses.



No. 2
'Cherry Top'
shape



No. 3
'Bulb Top'
shape



Valve

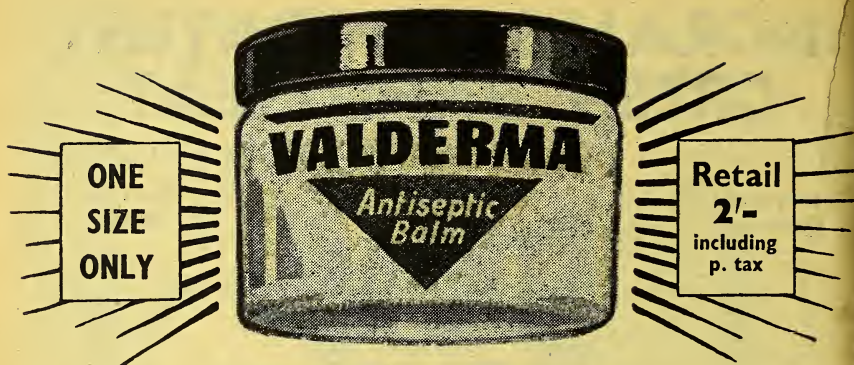


No. 4
'Ball Top'
shape

J. G. INGRAM & SON, Ltd.

(Established in 1847)

The London India Rubber Works, **Hackney Wick, E.9**



A new kind of antiseptic ointment. White, won't stain linen, agreeable to use, washes off easily. Contains non-irritating antiseptic in up-to-date emulsified base. Comparative tests by U.S.A. 'Agar Plate'

method shows germicidal qualities far superior to Carbolic Ointment B.P., Boric Ointment B.P., and others, tested on B. Coli, B. Megatherium, Streptococcus Faecalis and Staphylococcus Albus.

Advertising now appearing in —

**DAILY MAIL
DAILY HERALD
NEWS OF THE WORLD
PEOPLE**

**PICTURE POST
JOHN BULL
ILLUSTRATED
WOMAN**

**AND LEADING PROVINCIAL NEWSPAPERS
THROUGHOUT THE COUNTRY**

One size only: a jar. Retailing at 1/9½d. Purchase tax (16½%) is 2½d. each. Terms 15/- per dozen. 5% extra discount for display on minimum order 3 dozen. 5% for cash with order, showing a profit margin of 37%. Attractive show material sent with every order.

**Dae Health Laboratories Ltd.
25/27 Berners Street, London, W.1**

SPECIALISTS IN THE MANUFACTURE OF

TABLETS & PILLS



SINCE

1860

Also... AMPOULES · EMULSIONS · EXTRACTS
 INFUSIONS · OINTMENTS · SUPPOSITORIES.
 PROPRIETARY AND OWN FORMULA PILLS AND TABLETS

*We invite enquiries from Wholesalers and Exporters for all
 classes of Pharmaceutical Preparations in bulk or packed*

RICHARD DANIEL & SON, LTD. DERBY.
 TELEPHONE: DERBY 4266/7/8 TELEGRAMS: DANIA DERBY

ADVERTISED

VIRONITA advertising
 is appearing consistently in *The Daily Mail*,

NATIONALLY

The Daily Herald, The People and The Sunday Dispatch commencing this August.
 In addition, advertisements are appearing in more than 100 daily and weekly provincial papers—making an aggregate total circulation of over 12,000,000.

Are you getting
 your share of the
 sales this national
 advertising is
 creating?

No Licence
 Required.

VIRONITA

VIRON-ITA (Regd.)
 M. CALTHORPE & CO., 29 EAST PARADE, LEEDS 1



VITALLY URGENT

It is more essential than ever that all

MACLEANS CARDBOARD RAILWAY CONTAINERS be returned at once

The cardboard shortage is now so acute that unless every customer observes our **CONDITIONS OF SALE**, deliveries will be seriously affected. We are doing our best—please do yours. Don't wait till containers accumulate. Empty them at once and send them back—immediately.

1. Fold them flat and tie together with string. (Paper wrapping unnecessary.) Send parcel post. Tuck in flaps where necessary, to keep size within postal regulations. Pack smaller containers inside larger ones. (Four to seven average size containers approximate size allowed.)

2. Use addressed labels received with invoices. Enter cost of postage on Postal Receipt portion of label (which must be date-stamped by Post Office). Detach this Receipt portion and keep it.

3. Postage will be refunded only by our representative when he calls, on surrender of Receipt. This Receipt cannot be accepted for direct credit, and must not be deducted from account.

**WE CAN'T
DELIVER THE
GOODS UNLESS
YOU HELP**

MACLEANS LTD., GREAT WEST ROAD,
BRENTFORD, MIDDX.

Tel.: Ealing 6616. Wires: Macleans Brentford.

Your STANDARD OF RELIABILITY



StaffAllenS FOR ALL YOUR
GALENICALS

STAFFORD ALLEN & SONS LTD., WHARF ROAD, LONDON, N.1. 'Phone: Clerkenwell 1000 (7 lines)

Do-Do

— the Tablet which helps
the Asthmatic to do his
War Job !



RETAIL PRICES

INCLUSIVE OF TAX

1/1½ 3/4½ 11/10

**INTERNATIONAL
LABORATORIES LTD**
CHARLBURY · Oxford · Telephone: Charlbury 29

GREATER
HAN EVER IS THE
DEMAND FOR

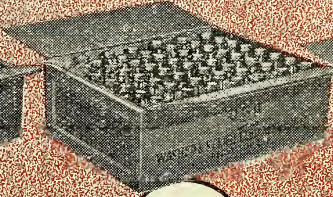


PERFECTED
WHITE
CAP

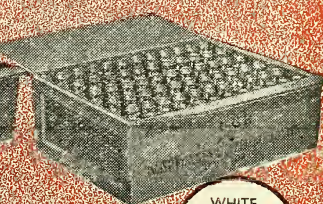
U.G.B.
MEDICAL BOTTLES



CORK
MOUTH



WHITE
ENAMELLED
METAL
SCREW-CAP



WHITE
KORKALITE
MOULDED
CAP

WASHED AND STERILISED
—READY FOR USE—
THE IDEAL
DISPENSING BOTTLE
IN ANY EMERGENCY

UNITED GLASS BOTTLE
MANUFACTURERS LTD.

*The Largest Manufacturers of Glass Bottles
in Europe*

8 LEICESTER STREET, W.C.2

Telephone: GERRard 8611 (10 lines)
Telegrams: Unglaboman, Lesquare, London

Potter's



Price 2/2 per tin
(Including Tax)
Wholesale 18/- per doz.
(Packed in half doz.)
Plus 3/- per doz. Tax

Asthma Cure

**AN ESSENTIAL LINE FOR EVERY CHEMIST THIS WINTER.
THIS WIDELY KNOWN AND RELIABLE REMEDY HAS WON
THE APPROVAL OF THE PUBLIC... A GOOD LINE FOR YOU!!**

POTTER and CLARKE LTD

60-64 Artillery Lane, LONDON, E.1
77 Dantzic Street, MANCHESTER, 4

'Phone: BISHopsgate 4761 (6 lines)
'Phone: BLACKfriars 8734

"National" Dispensing Bottles

are Strong, Serviceable and Sure-sealing !

NEATLY PACKED IN 6 DOZEN
NON - RETURNABLE CARTONS

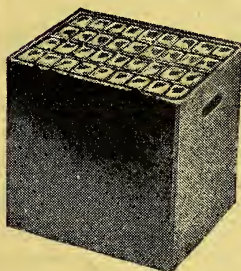
- ★ CONVENIENT IN SIZE
- ★ EASY TO HANDLE
- ★ UNIFORM IN QUALITY

ALSO . . . Cork mouth bottles
WASHED & PAPERED
Screw mouth Bottles
WASHED & CAPPED

SCREW CAPS SUPPLIED in
WHITE-ENAMELLED METAL



"NATIONAL" Production



Vials

of "NATIONAL" quality

Ranging in size $\frac{1}{2}$ oz. up to 3 oz.
Plain or teaspoon graduations
Medium and tall types

MANUFACTURED IN BEST QUALITY
WHITE FLINT, AND PACKED IN FREE
NON-RETURNABLE CARTONS



Restrictions outside our control, may
not allow us to meet every requirement

National Glass Works (York) Ltd.

Works: FISHERGATE, YORK
Telephone: York 3021

London Office: 105 HATTON GARDEN, E.C.1
Telephone: Holborn 2146

WHOLESALE ONLY



Medicine comes first

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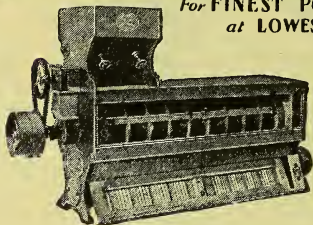
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NEWS OF THE WEEK

Insurance of Commodities.—In respect of the period beginning September 3 and ending December 2, the rate of premium payable under any policy of insurance issued under the Commodity Insurance Scheme will be at 5s. per £100 per month.

Licensing Biscuit Makers.—Under a new Order—the Biscuits (Maximum Retail Prices) Order (S.R. & O. 678)—all persons or firms who manufacture biscuits are required to hold a Ministry of Food licence. For the purposes of the Order, "biscuits" includes wafers, rusks, crispbreads, etc., but does not include medicinal biscuits (other than diabetic biscuits) or biscuits of a description used only for feeding animals. Applications for licences need to be lodged at the local Food Office not later than August 27.

Soap in Factories.—The Ministry of Food announces that any factory which provides washing facilities for its employees may obtain one ration of soap per four-weekly

period in respect of each employee. If the washing facilities take the form of baths two rations instead of one may be obtained. Applications for liquid soap permits from Government factories or factories wholly engaged on Government contracts will be considered, provided that the factories were fitted with liquid soap dispensers before June 29, 1942, when the rationing of liquid soap was introduced.

Sunglasses and Purchase Tax.—The following decisions regarding the liability of certain articles to tax are published as supplementary to those already given in Notices No. 78 and No. 81. Sunglasses and eyeshades: These are not regarded as falling within Class 16, and are free of tax unless they are: (1) eyeshades or capnets specially designed as, or put up for sale as sports requisites, e.g. as tennis shades, which are chargeable at 33½ per cent. under Class 14; or, (2) articles made partly of tortoiseshell or other material listed under Class 15, (b) and chargeable at 66½ per cent.

Manchester Chemists' Golf.—The final meeting of the season was held at Northenden Golf Club on July 29, with the usual team match President *v.* Captain. This was played as a four-ball match on the Stableford system, and the result was a win for the president's team by the narrow margin of four points. The president (Mr. J. H. Franklin) presided at supper, and distributed the prizes won during the season as follows: *Captain's Prize*—F. Taylor, *second*—S. N. Aitken; *Robinson Prizes*—C. Stevens and C. L. Compston; *Ucal Prize*—G. M. Evans, *second*—A. B. Murray; *Woolley Trophy Replica*—J. W. Aves, *second*—S. N. Aitken; *Griffiths Hughes Prize*—H. Brindle, *second*—H. Heavers; *Hough Hoseason & Co. Prize*—S. M. Bostock, *second*—C. L. Compston. Mr. Harry Brindle was nominated as the captain for next season.

Members' Night in North London.—The North Metropolitan Branch of the Pharmaceutical Society held a "Members' Night" recently, under the chairmanship of Mr. L. HAYWARD. "Labelling Requirements under the 1941 Act" were reviewed by Mr. W. ROBINSON, the paper being read by Mr. BROOKS. The author said that responsibility for the disclosure of composition of medicines—except those dispensed to a prescription—was on the retailer. The manner and method of disclosure were dealt with. The chemist, he said, should ask manufacturers to supply labels for old stocks of proprietaries. Teething and headache powders must each bear a suitable label. For certain articles a disclaimer label was also necessary so that the recommendations might not be interpreted to refer to one of the specific diseases mentioned in Section 8. The secretary (Mr. A. E. FOOTITT) then dealt with "Local Pharmaceutical Organisation." The extensive area covered by the Association made it unwieldy, but this was being overcome by subdividing it into separate Associations, divisions of which at Southgate and Wood Green, Finchley and Barnet were now in operation. In the discussion which followed, MESSRS. TOCHER and HEARLE supplied further historical details. Finally, Mr. J. W. SOULSBY gave a review of the Pharmacopœia Addenda. He said that many of the war-time innovations would be only of a temporary character. He classified the four war-time addenda respectively as "Vitamin," "Patent," "Galenical," and "Alcohol-saving," and discussed in greater detail preparations common to the N.W.F. and the Addenda. In reply to Mr. HAYWARD,

who asked if cod liver oil was likely to return to its former popularity in place of the vitaminised oils, the speaker said it had not been established that these oils represented the entire therapeutic value of cod liver oil. Mr. SIMONS inquired if quinine should now be put into National War formulas. The opinion was expressed that if this was done a note to that effect should be made on the script. Mr. YOUNG thought it important to bear in mind that the N.W.F. was the first formulary that had been produced by the Ministry of Health. The speaker agreed with Mr. WING that there was no apparent reason why sodium thiosulphate solutions should not be sterilised in the autoclave. Mr. WING suggested that the crystallisation of sodium sulphate from mist. alba was favoured by the presence of the mag. carb. the particles of which acted as nuclei for deposition.

Army Pharmacists' Meeting.—A meeting of pharmacists recently recruited into the Army was held at an Army Training Centre to discuss "Pharmacy, War and Post-war." The discussion, which was opened by a member of the Pharmaceutical Council, showed general satisfaction with the policy of the Central Pharmaceutical War Committee, although there was criticism at its lack of representation of the rank and file. The discussion on the future of pharmacy was centred round the importance of adequate control and planning in post-war years. It was realised that the return of thousands of demobilised pharmacists will cause serious employment problems—problems which could only be solved by a virile and progressive leadership. The following resolutions were passed unanimously: (1) "This meeting of fifty pharmacists at — Army Training Centre realising the necessity for the conscription of skilled personnel into H.M. Forces for the successful prosecution of the war welcomes the decision of the C.P.W.C. to release such large numbers of civilian pharmacists for military duties; (2) Mindful of the chaos which would result from any attempt to return to pre-1939 ideas during post-war years, this meeting urges the Council to support any moves for a State Medical Service in which the pharmacist would play his rightful part.

Dieppe Raid.—Many tons of repulped waste paper were used up in this raid by our Forces. Your collection will make this good if you save every scrap for these scraps.

TOPICAL REFLECTIONS

Education After the War

For the first time since 1870 you have been compelled, by shortage of paper, to omit publication of your annual particulars of qualifications in pharmacy and associated professions. None the less, your last week's issue is in effect an educational number, and is as attractive as such numbers always are. As you point out on p. 174, extensive educational changes are likely to be introduced soon after the war ends. Your judicious reference to the conflict of opinion between advocates of exclusive application to the winning of the war and those who prefer to give attention to post-war problems as they conceive them suggests a brief comment. Any such conflict of opinion is, in my view, uncalled for. So large and so highly organised a community as ours, the two functions must be allotted to separate sets of people, unless common sense has departed from our councils. When the demands of the Forces have been met, there remain numerous people who, unfitted to fight, are competent to study and advise upon the requirements of the near future. Plato, in his "Republic," sets forth the value of differentiation of function; and nothing has occurred, to my knowledge, to lessen the relevance of his argument. Reconstruction, educational or other, will not be easy. In the summer number of "Oxford"—in which University, by the way, Nuffield College is devoting its share of attention to reconstruction problems—the valedictory survey of the late Vice-Chancellor includes this sentence: "To look to the future, and, while there is yet time, pin down and pierce the shifting chaos of our social and industrial life, that is work that will not wait. . . ."

Work in the Classroom

Your remark that "it may be necessary to appreciate that the classroom is the pharmacy where the student serves his apprenticeship" (p. 174) is one of those significant ideas which, as R. L. Stevenson wrote, stab us "broad awake." To what extent the mental make-up of students is altered of late I do not know; but in earlier days teachers of pharmaceutical subjects used to complain not only of the faulty general education of many of their pupils but also of the drawback that some did not know, on entering college, certain things an average teacher would have

taken it for granted that they did know. A few years ago a president of the Pharmaceutical Society made a complaint to the same effect based on his experience in the Society's examinations. With the increase in importance of operations necessitating the use of machinery, some of it of expensive types, it is clear that a thorough pharmaceutical training must depend more and more on college courses. Yet if the pendulum swings too far to the academic side, pupils will be put through their examinations with an insufficient stiffening of business knowledge and will be correspondingly ill equipped to fight the battle of life. So a balance must be struck. Rightly used, training in an open shop inculcates habits of self-reliance, of tact, of readiness in emergencies for which it is vain to look in the routine of a college.

As an Examiner Sees It

Fortunate are the students who have access to the article of Dr. W. O. Howarth on p. 169. So detailed an exposition of causes of failure in examinations, informed by so sympathetic an outlook, has seldom appeared in any journal. It may be hoped that the students among your readers will go through this wise discussion of their difficulties sentence by sentence, and will apply the hints given to subjects beyond those dealt with. Examiners, Dr. Howarth points out, "can only give marks for what the candidate states on paper; they cannot guess what is in his mind." That is the essence of the relation of examiner to candidate. While human nature remains substantially as it is, there will be aspirants who are stronger on the theoretical than on the practical side, and vice versa; there may even be some who alternate between the two classes. Conversations with examiners have convinced me that, as a rule, unfairness on their part is out of the question. The assurance that a candidate can "comfortably" pass in some instances on three good answers where a paper contains five questions reminds me of an incident at one of our universities many years ago. In Greek a certain candidate had to translate three passages, with two correct translations as the condition of a pass. The result of having learnt his subject parrot-fashion was that he got two right but the third entirely wrong. The examiner, though realising the state of the case, had to pass him.

Xrayser

TRADE NOTES

Imported Gums.—M. Hamburger & Sons, Gt. Bookham, Surrey, are offering tragacanth and Karaya gums, of which they are direct importers.

Crude Drugs.—Astrin Bros., Ltd., King William Street, London, E.C.4, are advertising various drugs in this issue, including senna leaves, carnauba wax, henbane and vanilla.

Sanitary Towels.—Silcot (cotton wool) and Silvena (soluble) sanitary towels are the subject of an announcement in this issue by James Macdonald, Dawson Street, Greengate, Salford, 3. Details of sizes and prices are given.

Quinine and Cinchona Preparations.—Carnegie Quinine Works, Ltd., Welwyn Garden City, in their advertisement in this issue, point out that their output of these products is now only supplied in accordance with the Order controlling cinchona products.

Hormotone—British Made.—G. W. Carnrick Co., New Jersey, U.S.A., advise the trade that arrangements have been made for the manufacture of this product in Britain. The sole distributors are Brooks & Warburton, Ltd., 232 Vauxhall Bridge Road, S.W.1.

Manhattone Face Powder.—Rolyat Perfumery Co., 445 Bury New Road, Salford, 7, are the distributors of Manhattone face powder. This product is made in natural, peach, rachel and suntan shades. Particulars as to terms will be found in the advertisement pages.

Owbridge's Lung Tonic.—The shortage of raw materials has compelled W. T. Owbridge, Ltd., The Laboratory, Hull, to ration supplies of their well-known proprietary. In making this announcement the company express their thanks to chemists for the spirit in which the restriction has been accepted and appreciation of the difficulties involved.

Quinphos Supplies.—Thompson & Capper Wholesale, Ltd., notify the trade that they had decided, prior to the issue of the Order controlling quinine, not to use any more quinine. This decision will mean that when the present supplies of Quinphos are exhausted it will be off the market until quinine is again available. They will not reduce the quality of Quinphos by using substitutes.

Ostermilk Measures.—As it is impossible for Glaxo Laboratories, Ltd., to include food measure in every tin of Ostermilk as has normally been the practice, the company propose to supply chemists with a number of measures for distribution to their customers. Every customer should be asked to keep the measure throughout the period of feeding; to use the right measure (plain for Ostermilk No. 1; and marked with the figure 2 for Ostermilk No. 2). These measures may be sterilised by boiling before use. Measures are available in packs containing two of No. 1 and four of No. 2. They will be sent free and post free upon request.

Tablet Shape Changed.—Stovarsol vaginal compound (S.V.C.) tablets for the local treatment of leucorrhœa, particularly of trichomonal origin, are now issued by Pharmaceutical Specialities (May Baker), Ltd., Dagenham, in a new shape. The new tablets are rectangular with rounded corners and slightly wider than they are deep. The formula has also been modified by the use of an improved expient. For the new tablet are claimed the advantages of increased ease of insertion, more regular disintegration, reduced tendency to breakage, promotion of an acid reaction in the vagina, and some deodorant action. The packings and prices are unchanged and the product in powder form for insufflation is still available.

Proprietary Articles Trade Association

Additions to Protected List.—*Alfred Bishop, Ltd.* Caffeine Hydrobromide 2s. 9d., 26s., purchase tax per doz. 4s. inclusive retail price, 3s. 1d.; *D.D.D. Co. Ltd.*, D.D.D. talcum powder, 1s. 6d., 13s., purchase tax per doz. 9s., i.r.p. 2s. 3d.

Alterations.—*Allcock Manufacturing Co.* announce that the window display terms of Allcock's porous plasters have been withdrawn; *Bristol Myers Co., Ltd.* (Distributors, J. C. Gambles & Co., Ltd.), Ingrain shaving cream, in jars (new size), 1s. 7½d., 13s. 6d., purchase tax per doz. 4s. 6d. i.r.p. 2s. (The former 2s. size has been discontinued); *G. W. Harrison, Ltd.* announce that the discount of 10 per cent to retailers on orders value 22s. 6d. Reliable Rat Poison has been withdrawn; *McKesson & Robbins, Ltd.*, state that regard to Calox tooth powder the display bonus to retailers of thirteen to the doz.

minimum one dozen either size has been withdrawn; *A. Wander, Ltd.*, Vimaltol, 1 lb. 2s. 10d., 24s. doz., 2 lb. 5s. 2d., 43s. z., exempt from purchase tax.

Deletions.—*Bourjois, Ltd.*, No. 1296, evening in Paris miniature perfume, Ashes of Roses and Ashes of Violets perfumes, Oudre de Riz de Java; *British Colloids, Ltd.*, Crooke's Collosol halibut liver oil capsules (25's); *The British Drug Houses, Ltd.*, B.D.H. cod liver oil (16-oz. size), Livogen (16-oz. size), Lysol B.D.H. (16-oz. and 32-oz.), Multivite pellets (bottles of 100), Radiostoleum liquid (100 c.c.), Radiostoleum capsules (tins of 25), Kaolin ointment, B.D.H.; *Edwin Burgess, Ltd.*, 100 pills and ointment (5s. sizes) in Great Britain, Northern Ireland and Eire; *Camwal Ltd.*, Aquaperia salts; *J. & J. Colman*, Llanymorion mustard ointment; *Decker's*, Cherry rum (Agents: Osborne, Garrett & Co., Ltd.); *Groul & Co., Ltd.*, Vic Tonic flesh

cloth; *G. W. Harrison, Ltd.*, Safety First Rat Poison; *Ki-Uma, Ltd.*, Ki-Uma products.

Business Changes

STANNING PROPRIETARIES have removed to 27 Oxford Street (P.O. Box 9), Harrogate, Yorks.

PENDRED & HEIM have removed from 15 Barn Hill, Wembley, to 60 Fenchurch Street, London, E.C.3.

MR. H. S. ANDERSON, M.P.S., has purchased the businesses of the Great Barr Pharmacy, Ltd., at Beacon Cinema Buildings, Great Barr, Birmingham, 22A, and Anchor Road, Aldridge.

SIMPSON & MCCONNACH.—Esson & MacDonald, 189 Union Street, Aberdeen, inform us that the trustees of Simpson & McConnach, chemists, 23 King Street, Aberdeen, have no intention of closing the business. (Corrected note.)

PARLIAMENTARY NEWS

Soft Drink Trade Marks.—Sir L. Lyle asked the Parliamentary Secretary to the Ministry of Food whether, in connexion with the proposed abolition of trade marks, labels, goodwill and brands in the pooling of products resulting from the concentration of manufacture in the soft drinks industry, he would take into consideration the prejudicial effect of such an arrangement on old-established firms and on export trade with the complicated financial arrangements necessary to provide compensation. The Parliamentary Secretary replied that the considerations referred to had been taken fully into account in reaching the decision, and the Minister was satisfied that the arrangements were necessary to secure the needed economies in production and distribution and the most equitable treatment possible of all concerned.

Drug Firm's Contracts.—Mr. Rhys Davies asked the Minister of Supply, recently, whether he was aware that The British Drug Houses, Ltd., were contractors for his Department; that this firm laid down a condition of employment for its scientific workers that they must submit to the management everything they intend publishing, even though such matter might be of no concern to the firm; that the Association of Scientific Workers, of which the employees were members, had unsuccessfully protested against this; and whether he would consider withholding

further contracts from the company until the condition was removed.

Mr. Peat: My right hon. Friend would not feel justified in withholding contracts from a firm by reason of the inclusion in the terms of service of its own employees of a condition such as that mentioned in this question.

Extended Shopping Facilities.—Sir R. Glyn asked the Secretary of State for the Home Department, on August 6, whether he was aware that, in cases where the local authority, the chamber of trade and the representatives of employers and workers had agreed upon a scheme for providing facilities for men and women workers to be able to shop at hours convenient to the shift working, his department had refused to permit any alteration in shop hours.

The Secretary of State for the Home Department (Mr. Herbert Morrison): My Department has been giving close attention, in consultation with the Ministry of Labour and other departments, and the experience hitherto acquired has shown that shopping difficulties can best be met by other arrangements than the extension of shop hours in the evening. The policy is to consider any adjustment of shop hours, but in the first instance to see whether local difficulties cannot be more effectively met by other methods, including arrangements for women employed in munition work to have reasonable time off for shopping at convenient hours.

COMPANY NEWS

MADELEINE (BLACKPOOL), LTD. (P.C.).—Capital £500. To acquire the business of a dealer in cosmetics and fancy goods carried on by Julius R. H. Castro at 42 Talbot Road, Blackpool (R.O.).

MULHOLLAND'S PHARMACY, LTD. (P.C.).—Capital £800. Registered in Belfast. Wholesale and retail chemists and druggists, etc. Mrs. Christena Cowan, Ph.C. (née Mulholland), director. R.O.: Davis Street, Keady, co. Armagh.

U. D. A. (PLASTICS), LTD. (P.C.).—Capital £1 in four shares of 5s. each. Manufacturers of and dealers in plastic products, glass, chemicals, rubber synthetic materials, etc. R.O.: Imperial House, Harley Place, Bristol, 8.

McKEE (CHEMISTS), LTD. (P.C.).—Capital £100. To acquire the business of a pharmacist carried on by James S. McKee at 16 Joel Street, Northwood Hills, Middlesex. Dr. Edwin O. W. Jones, Mrs. Lilian P. S. McKee, and James S. McKee, M.P.S., directors.

J. F. SIMMONS (CHEMISTS), LTD. (P.C.).—Capital £1,500. Manufacturing, wholesale, retail, and dispensing chemists, manufacturers of and dealers in proprietary articles, toilet requisites, etc. George G. Emery, M.P.S., and John F. A. Simmons, M.P.S., directors. R.O.: 9 High Street, Beckenham, Kent.

F. H. HOLYOAK, LTD. (P.C.).—Capital £1,200. To acquire the business of a chemist carried on by the administrator of F. H. Holyoak, deceased, at The Square, Ellesmere, Shropshire. Henry Holyoak, M.P.S., 5 Cross Street, Ellesmere; director. R.O.: Eagle House, Barker Street, Shrewsbury.

DIVIDEND.—William Arthur Bingham, Ph.C., formerly of 112 Charminster Road, Bournemouth; first and final dividend, 5s. in the £1, payable August 14 at 10 Rockstone Place, Southampton.

VOLUNTARY WINDING-UP.—At an extraordinary general meeting of Ki-uma, Ltd., at Bath, recently, a resolution was passed that the company be wound up voluntarily, and that Mr. H. O. Johnson, 3 Wood Street, be appointed liquidator.—Shareholders resolved, at a general meeting of the British Organotherapy Co., Ltd., held on August 4, that the company should be voluntarily wound up; Mr. G. Carpenter, Empire House, St. Martin's-le-Grand, London, E.C.1, was appointed liquidator.—At an

extraordinary general meeting recently was resolved that the Soft Drinks Industry Protection Association, Ltd., should voluntarily wound up. Mr. H. W. Brown, 17 Throgmorton Avenue, London, E.C.4, was appointed liquidator.

LEGAL REPORTS

Trade Mark to be Registered.—At the Vacation Sittings of the High Court, Dublin on August 11, Mr. Justice Gavan Duffy delivered reserved judgment in the appeal brought by British Colloids, Ltd., v. Crookes Laboratories, Park Royal, London against the refusal by the Controller of Industrial and Commercial Property to accede to their applications for the registration in the Register of Trade Marks of the trade mark consisting of the words "Crookes' Lacto-Calamine" in part B of the Register, first in Class 3 for toilet preparations containing calamine for the skin and secondly in Class 5 for medicated preparations containing calamine for the skin (C. & D., August 8, p. 137). The Controller had refused both applications on the grounds that he was not satisfied that the mark was capable of distinguishing the appellants' goods. Mr. Justice Gavan Duffy, giving judgment in favour of British Colloids, Ltd. (originally announced to be reserved to October), referred at length to the decided cases in England and said he was of opinion that the present applications were in accordance with these decisions, which were in fact interpretations of corresponding sections of the Irish Act and that the words sought to be registered were capable of distinguishing the appellants' goods. The main objection of the Controller was the anticipation that the word "Lacto-Calamine" alone might come to denote the goods, but that was by no means unusual. If it should happen that that word alone came to indicate the preparation, that in itself was no objection to registration of the mark "Crookes' Lacto-Calamine" as a whole. He therefore allowed the appeal and would give a declaration of the effect that the words "Crookes' Lacto-Calamine" as a mark was capable of distinguishing the goods in both classes, and would direct the Controller to proceed with the applications.



EIRE'S NEWEST COSMETIC FACTORY

EIRE'S newest industry of pharmaceutical interest is the production of Outdoor Girl and Henry C. Miner beauty preparations by Crystal Products (Eire), Ltd., at 9-10 Lower Mercer Street, Dublin (see *C. & D.*, August 8, p. 135). Since 1935 most of the specialities have been marketed in Eire through agents; they are therefore well established. The new factory, situated a few minutes' walk from St. Stephen's Green, is spacious, well-lighted, well-planned, and equipped, so far as possible under war-time conditions, with the most modern plant

and machinery. From the factory complete stocks are available of all Outdoor Girl preparations, including lipstick, powders, creams, and rouge, while the Henry C. Miner items made in Dublin include liquid stockings, liquid make-up, Milk of Olives, and a variety of theatrical grease paints, carmines, liners, etc. It is hoped shortly to add the Gala series.

On the Mercer Street frontage of

the works are the offices and a reception room; adjoining are warerooms, assembly and packing departments, all illuminated by overhead glass roofing and "daylight" tubular electric lighting. All the manufacturing processes (sifting, rouge making, cream mixing, etc.) are carried out in self-contained glass-partitioned units. The factory is believed to be the only cosmetic concern in Eire in which conveyer-belt technique is in operation. "Music While You Work" programmes over the radio and a canteen, morning and afternoon breaks, and a five-day working week contribute to ensure good working conditions.

The directors are Mr. W. P. Kavanagh and Miss K. H. Kavanagh, Messrs. J. McGrath, and S. H. and M. Picker. The American directors (Messrs. S. H. and M. Picker) give technical advice and guide the formulation of policy; otherwise the Dublin industry is completely staffed and managed by Irish workers. A widespread advertising campaign is being launched in Eire. Northern Ireland chemists will continue to receive supplies from the British factories.



Moulding lipstick



Group of the staff, with some of the directors in front row

MEDICAL ABSTRACTS

Tissue Diffusion of Antiseptics.—Lum ("British Medical Journal," May 16, p. 586) has shown that the presence of much dead tissue in a wound prevents gentian violet and acriflavine from reaching healthy tissue to the most desirable extent, since fixation by dead tissue inhibits diffusion. Experiments suggest, however that acriflavine or gentian violet do not become so fixed by dead tissue that they are prevented from acting as antiseptics, and that they impregnate dead tissue sufficiently deeply to prevent them from serving as foci of infection. The rate of diffusion of sulphanilamide through laboratory models of body tissue is greater than that of either acriflavine or gentian violet.

First-aid Treatment of Phosphorus Burns.—Having regard to the lack of adequate first-aid treatment of phosphorus burns, Godding and Notton ("British Medical Journal," April 4, p. 433) studied the possibility of using copper sulphate and alkali powders to be carried in small sifter containers from which they could be sprinkled on to the wound and worked up to a paste with water from the water-bottle. Eventually they compounded an alkaline powder which appeared suitable, but a concentrated glycerin paste was found to have advantages over the powder preparations tried in replacing aqueous copper sulphate. The authors put forward the following for the treatment of phosphorus burns:—

1. Remove the bulk of the free phosphorus and superficial acid with alkaline powder of the following formula: Magnesium oxide, heavy, 10 per cent.; borax, 5 per cent., sodium bicarbonate, 85 per cent. Liquid suspected of containing phosphorus must in no circumstances be dabbed with a handkerchief or other dry material. If water has been used to extinguish the phosphorus, sprinkle the powder on to the wet surface, add more water if necessary, and work up to a medium thick paste, covering the whole of the burn and the surrounding area if contamination is suspected. Wash or wipe off and reapply so long as marked effervescence continues. Drying must be avoided at this stage.

Preserving Plasma.—Bacterial contamination has been the most serious obstacle to the preservation of plasma in the liquid state. Several methods have been proposed to minimise the dangers involved in the accidental use of contaminated plasma, but none previously proposed has proved adequate. Novak has recently investigated the bacteriostatic and bactericidal properties of the sulphanilamide com-

pounds in this connexion ("Journal of the American Medical Association," February 1, p. 513). He finds that the addition of 0.2 per cent. of a sulphanilamide derivative, preferably sodium sulphathiazole, in plasma completely eliminates the problem of bacterial contamination, since it actually sterilises minimally contaminated specimens of plasma regardless of the organism or the temperature involved (4°C. to 24°C.). Plasma preserved with sodium sulphathiazole is safe, immediately available, economical and simple to use.

Gas-mask Dermatitis.—A number of cases of dermatitis arising from the wearing of respirators were examined by Petro ("British Medical Journal," May 23, p. 631). He found the skin changes were caused by two organic substances used as accelerators or anti-oxidants in the vulcanisation process. The dermatitis was of a kind that occurs in patients with a predisposition to it; at first they tolerate the irritant but later develop a sensitivity towards it. The effects are a burning sensation or irritation in skin areas that come in contact with the respirator. Finally the intense irritation and inflammation causes sleeplessness. It was found impossible to forecast sensitivity, but the condition responded in the early stages to dusting with calamine powder or talc. Later stages demanded the use of calamine lotion or Burrow's solution (liq. aluminii acetat., 2½ per cent.) or, in the later stages of blistering, calamine liniment. Phenobarbitone, gr. 1 to gr. 2, helped to allay the irritation.

Trichlorethylene.—Results of investigations into the value of trichlorethylene as a general analgesic and anæsthetic are given by Hewer in "Proceedings of the Royal Society of Medicine," Vol. XXXV, No. 7. The suggestion has been made that, if adopted generally for medical purposes, trichlorethylene should be tinted to distinguish it from chloroform. According to present knowledge, the compound when inhaled resembles chloroform in its effects, but is less potent as an anæsthetic, more potent as an analgesic, and less toxic. Its advantages include: Absence of irritation to the respiratory passages; comparative absence of superficial oozing from cut tissues in patients under its influence; high degree of analgesia; non-inflammability of its vapour. Its disadvantages are: Complete muscular relaxation sometimes difficult to achieve; respiratory rate sometimes raised.

Vitamin D Poisoning.—A caution against under-estimating the potential danger of administering massive doses of vitamin D given by P. A. Tumulty and J. E. Howard [Journal of the American Medical Association, 119, 3, 233], who report two cases of toxic symptoms in adults followed by recovery. Each patient was under treatment after an accident involving two fractures, and was given about 750,000 international units daily, for several days, a preparation containing 50 per cent. of vitamin D. Nausea and vomiting were the most obvious symptoms. In the extensive clinical tests made it was found that the pH of the urine remained abnormally low for a considerable period. Renal damage attributable to hypercalcaemia was inferred. It is pointed out that great variation from patient to patient in the dose required to produce intoxication is already established. Diet is an important factor, and the vehicle of administration is also to be considered—e.g., vitamin D given in milk has been demonstrated by J. H. Lewis to have ten times the potency of the same dose given in oil.

Absorption of Catgut.—The results of a study of the absorption of catgut (surgical suture, U.S.P.) in tissues, a study extending over five years, by H. P. Jenkins *et al.* are summarised in "Journal of the American Medical Association" (119, 2, 137), and are published in full in four issues of "Archives of Surgery" (May–August 1942). Specifications are proposed for both the absorbibility and the digestibility of each of the four types of catgut to be recognised in the U.S.P. XII, though it is indicated that division of catgut into four types is somewhat arbitrary, since the studies suggest only three general classes. The specifications provide for time data, in days, of the average range and the minimum and maximum ranges of duration of tensile strength and the average range in weeks or months for complete absorption in the tissues, and for digestibility values of the average range and the minimum and maximum ranges expressed as multiples of the average digestion time of type A (plain surgical gut, to be determined from pooled catgut of this type. The periods for duration of tensile strength and for complete absorption in the tissues are given as follows: A, 5 days and 1–3 weeks; B, 10 days and 3 weeks–3 months; C, 10–15 days and 3–6 months; D, 15–25 days and 6 months.

Scabies Treatments Compared.—In a comparison of the effects in scabies treat-

ment of benzyl benzoate, dimethylthianthrene and tetraethylthiuram monosulphide, Gordon and Seaton ("British Medical Journal," June 6, p. 685) detected no significant difference between the actions of benzyl benzoate and dimethylthianthrene. Tetraethylthiuram monosulphide was more rapid and more lethal in its action than either. Preliminary washing and scrubbing of the skin facilitated the sarcopticidal action of all the drugs tested. The vegetable oil used as a vehicle for the drugs allowed these to penetrate the skin to a satisfactory depth within fifteen minutes of their application, and "should prove more satisfactory than the semi-solid mineral substances commonly used as ointment bases." After three days a proportion of the eggs still remained apparently unaffected, and the authors suggest that a second application of the drug should be made after an interval of a week, by which time any eggs that survived the first application would have hatched.

Acute Aspirin Poisoning.—The treatment of an extreme case of aspirin poisoning was described recently in the "British Medical Journal" (June 27, p. 787). A woman took approximately 970 gr. of acetylsalicylic acid at one time with, it is believed, nearly half a bottle of whisky. Three and a half hours later, when seen by a doctor, "she was normal enough for him to consider she had not taken an overdose." Only later did distressing symptoms and ultimately coma supervene. Examining the signs, the hospital physicians (Oakley and Donnell) remarked particularly the intense sympathetic stimulation (profuse sweating, starting eyes); intoxication of the central nervous system (coma, delirium, etc.); vasomotor collapse and dehydration; and acidosis. "In view of these findings the logical treatment appeared to be the administration of morphine in a dose sufficient to control the very marked restlessness, saline intravenously to correct dehydration resulting from sweating and overbreathing and, together with plasma and eucortone, to combat vasomotor collapse, and sodium bicarbonate and glucose to overcome the acidosis." Glucosesaline was given intravenously in the first forty-eight hours, with sodium bicarbonate, and alkali reserve determinations were made at intervals. The combination of vasomotor collapse and severe acidosis resembled the signs of diabetic coma, and the treatment employed bore some resemblance to that generally adopted in the latter condition; plasma and eucortone were administered.

INSURANCE ACT DISPENSING

Northampton.—The Insurance Committee has decided not to take action upon representations by the local Pharmacists' Association that excessive prescribing by doctors of ointments, tablets and surgical dressings was still common. The Association had been asked to produce evidence of excess but none had been brought forward.

Surrey.—The annual report of the Pharmaceutical Committee records that the number of prescriptions handled by chemists in the Insurance Committee's area in 1941 was 1,418,244, against 1,550,824 in 1940. The ingredient cost was £43,178, against £39,736, and dispensing fees amounted to £26,392, against £28,769. Insured persons numbered 406,689, against 424,329.

Oldham.—The Insurance Committee has declined to approve a proposed arrangement by which a chemist's branch pharmacy would open half the day and another shop belonging to the same concern would open for the remainder. The firm which suggested this innovation pointed out that it had lost five qualified pharmacists to the Forces, and had not been able to replace them. The Pharmaceutical Committee stated that there was an adequate pharmaceutical service in the districts concerned, and that other contractors would want to render part-time service if it was allowed in this case.

Sheffield.—Allegations of breach of contract were made against a chemist at a meeting of the Insurance Committee on August 4. Complaints had been made by two doctors that he closed his shop at 6 p.m. although under contract to keep open till 7 p.m. A decision to adjourn for a month the consideration of a vote of censure was taken after an amendment to impose a fine of £10 10s. had been defeated. One member declared there had been a "deliberate attempt to break the contract." With this the chairman disagreed. The Clerk was instructed to ask for a promise to remain open until the agreed time.

London.—The number of shops on the Insurance Committee's list at March 31 was 1,536 (1,059 inside and 477 outside the county). Of this number eleven were manufacturers of spinal jackets and splints and six were conducted by unqualified persons not entitled to dispense. There were also forty-one hospitals on the list. From the commencement of the war in

September 1939 to March 31, 1942, 3 shops in the County of London were closed; of this number sixty were demolished by enemy action. The following table gives comparative figures for the years 1939, 1940 and 1941:—

	1939	1940	1941
Prescriptions	8,663,641	7,517,192	5,526,192
Ingredients ..	£148,465	£160,857	£137,192
Total cost ..	£304,936	£299,577	£237,819
Average ingredients ..	4.11d.	5.13d.	5.97d.
Average fees ..	4.34d.	4.43d.	4.36d.
Total number of persons ..	1,902,249	1,810,522	1,539,192
Average cost per person ..	38.47d.	39.71d.	37.09d.

South-west Lancashire and Cheshire.—A total of 4,124,037 prescriptions are recorded in the annual report of the Joint (Prescriptions) Committee to have been dispensed by chemists in the area during 1941; 8,000 were dispensed by doctors. This figure represents a substantial decrease from the previous year's total of 4,753,663, which was itself lower than the 1939 figure (4,939,455). The total cost was £179,519, against £188,185 in 1940 and £176,460 in 1939, the average prescription cost being 10.45d., against 9.50d. in 1940 and 8.51d. in 1939. Of this sum, drug cost accounted for 6.11d., against 5.16d. and 4.28d. in 1940 and 1939 respectively. The average dispensing fee was unchanged at 4.34d. (4.29d. in 1939). Pharmacists and insured persons under constituent Insurance Committees on January 1 1941, were:—

Area	Pharmacists' shops	Insured persons
Birkenhead ..	105	54,270
Bootle ..	105	29,120
Cheshire ..	475	298,820
Chester ..	32	19,700
Liverpool ..	367	303,600
St. Helens ..	30	45,710
Southport ..	45	31,520
Stockport ..	100	62,250
Wallasey ..	42	29,720
Warrington ..	22	36,030
Wigan ..	42	38,990
Total ..	1,365	949,780
At January 1, 1940	1,405	1,000,970

NUTRITION IN WAR-TIME

by Frank Wokes, Ph.D., B.Sc., F.I.C., Ph.C.

IX.—Vitamin B (*continued*)

IN the previous article vitamin B₁ was discussed in some detail. In this article we shall consider more briefly some of the other factors included in the vitamin B complex.

Riboflavin.—Formerly known as vitamin B₂, this is now classified as part of the vitamin B₂ complex. It was first distinguished from vitamin B₁ by being much more stable towards heat. Milk, which is a good source of riboflavin as well of vitamin B₁, can lose all its antineuritic activity when autoclaved at 15 lb. pressure for an hour or two, while still retaining its riboflavin potency, as shown by its power to promote growth in rats on a diet deficient in this factor. Riboflavin is also called lactoflavin because of its yellow colour and the fact that it was originally isolated from milk. The biochemistry of riboflavin indicates that it probably forms the basis of a respiratory pigment, which may explain why its requirement is directly proportional to the energy requirement and hence to the food intake. Deficiency of riboflavin in man, if sufficiently severe, may be detected by examination of the face, where lesions appear on the lips, skin and eyes. Photophobia and keratitis are especially characteristic. Cheilosis (angular stomatitis), which during the last few years has been thought to be a typical sign of riboflavin deficiency, has now been found also to be caused by deficiency of other vitamins of the B series.

The chemical assay of riboflavin mainly employed at present depends on the measurement of fluorescence intensity, and is subject to the difficulties produced by impurities quenching the fluorescence which give so much trouble in vitamin B₁ assays. Moreover, the preliminary extraction of the vitamin, as carried out by many workers, is tedious. A polarographic method of estimating riboflavin has recently been described in America, and is being investigated in this country. When a simple and reliable chemical test is available it will be of great value for detecting deficiency of riboflavin by means of a saturation test such as is already being used in vitamin B₁ and vitamin C studies. At present our knowledge of the riboflavin value of foods and diets is still scanty. In our pre-war diet the chief source of riboflavin was probably

dairy produce, followed by meat and fish. The shortage of these foods in our present diet throws more importance on the consumption of green leafy vegetables such as cabbage and spinach, which together with tomatoes and peas form excellent sources of riboflavin. Liver, kidneys and lungs are also good sources of riboflavin. A pint of milk should provide a child with its daily requirement. Yeast and eggs are good sources of riboflavin.

Nicotinic Acid.—This was isolated thirty years ago by Funk from yeast and rice polishings, but only during the last few years has it been found to possess the properties of a vitamin, curing the disease pellagra in man. This disease has long been known to be prevalent in certain parts of the world, such as the southern states of U.S.A., where maize is a staple food. It was previously thought to be due to living on protein of inferior value, but is now known to be caused by a deficiency of nicotinic acid. Characteristic lesions of the skin and mucous membranes can be rapidly cured by administration of nicotinic acid. Deficiency of nicotinic acid in man is detected by a saturation test, in which the patient is dosed with nicotinamide while on a diet free from trigonelline (an alkaloid in coffee plant and certain herbs which in the human body may yield derivatives giving a positive colour test), and the nicotinic acid is estimated in the urine. The estimation is done chemically by a modification of König's test for pyridine compounds. Nicotinic acid when treated with freshly prepared cyanogen bromide and a suitable aromatic base such as aniline, metol or p-aminoacetophenone gives a yellow colour. The experimental conditions, especially the pH, concentration of salts, duration of the reaction and temperature at which it takes place, need to be carefully controlled in order to obtain reliable results.

Sources of Nicotinic Acid.—The richest natural sources are certain kinds of yeast, and meat offals, especially liver—1 oz. of dried yeast or of rabbit liver can supply the whole of the average adult daily requirement of nicotinic acid, assuming this to be 0.12–0.24 mgm. per kilo body weight, as recently suggested by Kodicek. Meat or fish as a whole are less rich sources, 1 oz. of either supplying from 6–12 per cent. of the daily adult requirement. Bacon has

about half the nicotinic acid value of meat, 1 oz. supplying about 3-6 per cent. of the daily adult requirement. Amongst cereals maize contains less than rice, oatmeal, barley or wheat. The vitamin is concentrated in the bran and germ, and wholemeal bread has more than twice the nicotinic acid value of white bread, 1 oz. of which does not supply much more than 1 per cent. of the adult daily requirement. This low value for white bread could be doubled by the addition of suitable yeast. Amongst vegetables soya beans have a high nicotinic acid value, 1 oz. supplying 6-12 per cent. of the adult daily requirement. Potatoes are lower, with values of 2-4, and tomatoes, cabbage and carrots are only poor sources. The nicotinic acid value of dried milk depends on the proportion of fat, since the vitamin is present in the non-fatty portion. Dried separated milk may have such a high value that 1 oz. will provide 10-20 per cent. of the adult daily requirement. Dried eggs have fairly good nicotinic acid values, 1 oz. providing 2-4 per cent. of the requirement.

Nicotinic Acid in War-time Diets.—In the average pre-war diet in this country meat, bacon and fish provided more than half of the total intake of nicotinic acid. The present shortage of these foods has cut down the supplies of this vitamin by about a third. The best way of making good this deficiency is to eat plenty of wholemeal bread, 1 lb. of which can provide nearly half the adult daily requirement of this vitamin. Bread made from National wheatmeal flour may have a nicotinic acid value nearly equal to that of wholemeal bread, provided that not very much of the vitamin has been extracted from the flour. The 15 per cent. removed in the preparation of National flour should consist almost entirely of bran, and cause a loss of about 15 per cent. of the nicotinic acid present in the whole grain. But as a considerable amount of the bran in wholemeal flour is not digested, and acts merely as roughage, most of this loss is unavoidable. If, however, the 15 per cent. removed contains much germ, this will represent a definite loss of the vitamin which will be more serious because the germ contains about twice as much nicotinic acid as the same weight of bran.

White versus Wholemeal Flour.—The use of white flour from which practically the whole of the germ had been removed deprived the consumer of half the vitamin A, three-quarters of the vitamin B₁, most of the riboflavin, half of the nicotinic acid, much of certain other B vitamins, and the

whole of the vitamin E, as well as a good deal of the iron, phosphorus and other essential mineral salts present in the whole grain. The fortified white flour introduced by the British Government during the present war contained added vitamin B to make good the loss of this vitamin, and was to have contained extra calcium, but was still deficient in all the other vitamin and mineral salts found in the whole grain. It was therefore a great advance when the use of National wheatmeal flour of 85 per cent. extraction was made compulsory. This advance encountered various difficulties. Arrangements had to be made for some of the wheat germ to be extracted and made available for the continued manufacture of certain pharmaceutical products containing this material. Moreover the discontinuance of the manufacture of white flour meant that several hundred thousand tons of cereal products formerly used as animal feeding stuffs were no longer available for this purpose. Much of this loss fell on the dairy cows on which we are depending for still greater supplies of milk. Silage being made in large quantities all over the country is needed to replace the oil cakes and other concentrates which used to be imported. Experiments on pedigree cows have shown that it is possible to replace four-fifths of the cereal products in their diet by potatoes without affecting the yield of milk or its quality. Similar experiments have shown that potatoes can replace cereals in the diet of hens without affecting the production of eggs. Since the supplies of potatoes are considerably greater than are needed for human consumption, these results indicate that the change from white to wheatmeal flour need not cause a diminution in the supplies of milk and eggs.

Pantothenic Acid.—This was formerly termed filtrate factor. Although it has been isolated and synthesised, little is yet known about its requirements for man. In chicks deficiency of this vitamin leads to degeneration of the nerve fibres of the spinal cord. In rats severe deficiency is said to lead to atrophy of the suprarenals.

Vitamin B₆.—(Adermin, Pyridoxin.) This vitamin is known to be required for the growth of certain micro-organisms, and also to activate root formation in plants, but little has yet been published about its effects in man. A colour test is now available based on the blue colour given with 2 : 6-dichlororobenzoquinonechloroimide, which should enable distinct advances to be made.

BIRTHS

MELROSE.—At Leven, on August 8, the wife of J. Melrose, M.P.S., of a son.

MARRIAGES

MCPHERSON—THOMSON.—At St. Mary's Church, the Rock, Ellon, on July 22, Robert McPherson, M.P.S., Durris House, Newburgh, Aberdeenshire, to Annie Thomson.

SMITH—DUNLOP.—At St. Marnock's Church, Kilmarnock, on August 1, Surgeon Lieutenant Robert Simpson Smith, N.V.R., Erkless House, Annan, to Mes Loudon Dunlop, M.P.S., 6 Ellis Street, Kilmarnock.

WHYTE—FLEMING.—At St. Bride's Parish Church, Edinburgh, on August 1, Mes Whyte, M.P.S., 55 Albert Street, Edinburgh, to Margaret Pearson Fleming.

DEATHS

ADDISON.—Recently, Mr. Jeremiah Addison, M.P.S., Ilchester, Taunton, aged fifty-five.

ASTON.—At Seaview, Isle of Wight, on August 5, Mr. Richard Norman Aston, R.C.S., L.R.C.P., aged fifty-two. Dr. Aston, who spent many years in his father's armory at Worthing, passed the Minor Examination of the Pharmaceutical Society in 1912, and the Major in the following year. He commenced as a medical practitioner at Seaview fifteen years ago.

FORTEY.—On August 12, Mr. Oscar Chibald Fortey, St. Mark's Pharmacy, Cheltenham, aged forty-seven. Mr. Fortey is also a director of Trinder & Co. (Chemist), Ltd., of Cirencester and Gloucester. In the 1914-18 war Mr. Fortey served in the R.A.M.C., and on demobilisation commenced business in Cheltenham. He has been chairman of the local branch of the Pharmaceutical Society and that of the National Pharmaceutical Union. Mr. Fortey took a keen interest in Freemasonry and was well known in Gloucestershire, where his loss will be much regretted.

MURRAY.—Recently, Mr. Alexander Murray, M.P.S., Chopwell, Newcastle-on-Tyne, aged sixty-five.

MR. CHARLES F. SQUIBB, son of the founder E. R. Squibb & Sons, pharmaceutical manufacturers, Brooklyn, N.Y., U.S.A., died in Paris on February 19, according to information received by his family from

the Department of State. He was eighty-three years of age. Born in Louisville, Mr. Squibb graduated from Harvard in 1881 and went to work in his father's company as a research chemist. He continued with the company until the family sold its holdings, after which he occupied himself with private chemical experiments in his home in Bernardville, N.J., until he moved to Paris in 1929.

WILLIAMS.—Recently, Mr. John Harold Williams, M.P.S., 122 St. Philip's Road, Sheffield, aged sixty-two.

WITHELL.—Recently, Mr. Ernest Ronald Withell, B.Sc., B.Pharm., Ph.C., head of the pharmaceutical department, Central Technical College, Birmingham. Mr. Withell passed the Pharmaceutical Chemist examination of the Pharmaceutical Society in 1933.

PERSONALITIES

MR. W. SMITH, M.P.S., Great Harwood, Lancs, has been appointed vice-president of a newly-formed local chamber of trade.

MAJOR EWART WOOLLEY, J.P. (Cupal, Ltd., manufacturing chemists), Officer Commanding a Blackburn Home Guard Company, has resigned to take up a commission as lieutenant in the Royal Naval Volunteer Reserve.

MISS JANET HOLMES, Burton Lazar, who was recently awarded the degree of B.Pharm., is taking a post in the research department of Boots Pure Drug Co., Ltd. Miss Holmes served her apprenticeship under Miss Prince (chief pharmacist, Nottingham General Hospital).

MR. DOUGLAS R. MACKIE has been appointed sales manager for Monsanto Chemicals, Ltd. He joined Monsanto in 1924, and represented the firm in the Midlands and later in London, his activities subsequently extending to cover the pharmaceutical and fine chemical trades throughout the country. For nearly two years Mr. Mackie has been assistant sales manager.

ONE of the most successful exhibitors at the recent Summer Show of the Royal Horticultural Society of Ireland, held at the Royal Dublin Society's Show Grounds, Ballsbridge, Dublin, was Mr. Sylvester O'Farrell, P.C., the Eire representative of Flexoplast, Ltd. Mr. O'Farrell secured several first prizes and other awards for his fine collections of vegetables and tomatoes grown at Ard-na-Grena, Orwell Road, Rathgar, Dublin.



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circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, the British Empire, and foreign countries

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The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Conserving Supplies of Quinine Products

THE Control of Cinchona and Cinchona Products and Synthetic Substitutes (No. 1) Order, 1942 (see p. 203), controls, as from August 13, the sale and use of quinine and all other alkaloids of any variety of cinchona, including totaquina and quinatum, cinchona itself, and any synthetic product which is a specific for malarial infections.

The use of the controlled materials is strictly limited, primarily in the treatment of malaria, but a registered medical practitioner is permitted to write a prescription containing quinine for an individual for malaria or any other purpose where he considers it essential. This will allow the use of such preparations as quinine and urea hydrochloride or quinine hydrochloride and urethane. As quinine is so important in the treatment of malaria, it is confidently anticipated by the Ministry that the medical profession will co-operate in conserving such stocks of these products as there are for this purpose, and will not order quinine preparations for colds and similar maladies where other remedies are available.

Provision is made for retail pharmacists, hospital authorities, medical practitioners, Government departments and the mercantile marine to obtain adequate stocks of quinine or substitutes. Any person who is suffering or has suffered from malaria holding a certificate signed by a registered medical practitioner, or any official document issued by a Government department, such as a War Pensions Book, can obtain the necessary quinine for treatment through these channels.

The Order prevents the use of quinine in many preparations, proprietary and otherwise, where it has been used previously. Preparations containing quinine ordered by a medical practitioner can still be dispensed.

The Order also makes it compulsory for all holders of stock (whether manufacturers, merchants, wholesale houses or consumers), which, calculated in terms of quinine, is 25 ounces avoirdupois, or more, to notify the Director of Medical Supplies, Ministry of Supply, Portland House, Tothill Street, S.W.1, in the form set out in the schedule to the Order with particulars of the quantity held and the place or places where it is stored. Holders of stocks will not be allowed to dispose of or use such stocks in a manner or for purposes other than those specified in the Order without permission of the Director of Medical Supplies.

New Shops: Further Restrictions

THE Location of Retail Businesses Order, 1942 (S. R. & O., 1619), just issued by the Board of Trade, which supersedes the Location of Retail Businesses Orders, 1941 (S. R. & O., 1784 and 1933), makes it necessary for all traders in goods covered by the Order (i.e., most non-food goods) to apply for licences if they wish to start a new retail business. The new Order consolidates the provisions of the 1941 Orders and deals with the situation created since advantage has been taken of a loop-hole created by the goodwill clause in the Amending Order (S. R. & O. 1933). This dispensed with the need for a licence where the goodwill of an existing business was acquired by operation of law or otherwise.

The chief difference between the 1941

Order and the new Order is that as from August 31 it will be illegal to open a new retail business, in goods covered by the Order, unless a licence has been granted, even if the goodwill of an existing business has been acquired. The reason for the change is that it was found that some firms who wished to open new businesses in competition with existing shops realised that if they applied for a licence it would probably be refused, and they therefore sought to circumvent the Order by straining the meaning of the goodwill clause. They looked for empty shops that, at some time during the basic period (December 1, 1940, to October 23, 1941), had been used for the sale of the goods they wished to sell; they sought out the owner of the business—or his relations, or the liquidator—and offered a nominal sum for the "goodwill" of the business; they then commenced to trade, on the pretext that they had acquired goodwill and therefore required no licence.

Under the new Order, it will still be possible for traders to sell their businesses; and the Local Price Regulation Committees, who grant licences on behalf of the Board of Trade, will give favourable consideration to applications for licences when there is a real transfer of goodwill, but in general they will consider applications for licences in relation to the local need for a new business or the extension of an existing business.

The Honest Chemist and his Competitors

Writing in the "British Medical Journal," August 15, E. L. Löewenthal, M.B., B.S. Lond., states: "The chemist in his shop is today the arbiter for a surprisingly large section of the population on the question whether or not a doctor should be consulted, and therefore, in some cases at least, on whether the patient's trouble will be correctly diagnosed and, if possible, cured. An unbelievably high proportion of patients from all except the very rich classes first 'consult' the chemist in the hope of being given a remedy without having to pay the doctor's fee. I have no grudge against the individual chemist; the few of them whom I know are honest and conscientious. But the whole dangerous

situation is aggravated by the fact that many doctors still supply their own medicines, thus becoming direct "business competitors" of the chemist. Inevitably a chemist who refuses to sell a preparation to a patient and sends him to a dispensing doctor deprives himself of a customer. Supposing even that the chemist had the knowledge and facilities for correct diagnoses—over the counter!—can one expect him in every case of doubt to send his customer to his business competitor—the dispensing doctor?" Continuing, Dr. Lowenthal says: "I can think of only one way to remove the pharmaceutical chemist from his embarrassing position (which has developed through no fault of his own) but it would be drastic and unpopular, and would need legislation. This is to restrict the free sale of drug preparations in open shops to cosmetics and other toilet goods; to forbid "counter prescribing"; to require a doctor's prescription for the dispensing and sale to the public of all medicaments; and to confine the retail trade in drugs to qualified pharmacists and their *bona-fide* assistants. It is lawful for general practitioners to supply medicines; and in rural districts, or in emergencies anywhere, there may be no one else at hand to do so. But the medical profession could co-operate with the pharmacists and earn their goodwill by a self-denying ordinance to abstain from competition in the routine dispensing and supply of drugs, etc., in populous parts of the country. The only serious opposition to the very necessary reforms would come from the vested interests of the industry, and only energetic parliamentary action could hope to be effective in achieving the proposed change."

While we agree that the restricting of prescribing to the medical profession and dispensing to the chemists is desirable, there is no doubt that this development is on the way to being accomplished through National Health Insurance, particularly since nearly "all except the very rich classes" are covered by this legislation. To forbid all counter prescribing presents difficulties. Moreover, in the words of a celebrated member of the B.B.C. Brains Trust: "It depends on what is meant by 'counter prescribing.'" While allowing for the fact

that Dr. Loewenthal, owing to the war, is not a naturalised citizen of this country, his views are in a way those of an onlooker who is not in possession of all the factors involved. To prescribe medicine for the minor ailments has been the chemist's right throughout the ages, and it is safeguarded by the Pharmacy and Poisons Act, 1933. Moreover the doctor tries to draw the familiar "red herring" of medical propagandists when he puts forward the view that everyone suffering from scalding and frequency of micturition is likely to have a tuberculous kidney or carcinoma of the bladder; or that a person suffering from indigestion has an ulcer. No doubt every medical practitioner can quote a case where the patient has suffered through not consulting a medical practitioner; on the other hand, chemists could cite unfortunate "skeletons" for doctors. Such mutual crimination, however, leads nowhere. The medical profession would not want to be bothered with everyone who in normal times had eaten not wisely but too well; on the other hand no chemist would be likely to treat a case where his experience and common sense told him medical attention was necessary. As to vested interests and parliamentary action, chemists' experience, in the near and remote past, does not encourage optimism in dealing with the only serious opposition."

Official Views on Values

THE following notice has been issued jointly by the Commissioners of Customs and Excise and the Board of Trade: "Where maximum prices have been fixed for goods by Orders or Directions made by the Board of Trade under the Prices of Goods Act, the value of the goods on which Purchase Tax is payable and the maximum price fixed by the Order or Direction are entirely distinct and unrelated. The value determined in accordance with the instructions of the Commissioners of Customs and Excise is relevant only for determining the amount of tax payable and has no bearing on the price which may be charged for the goods. In some cases the value for Purchase Tax purposes will be higher than the maximum price at which the trader who counts for the tax may legally sell the goods. In such cases he must not sell at the Purchase Tax value but at a price not

exceeding the legal maximum price as laid down in the relevant Order or Direction, and the incidence of the Purchase Tax valuation will not be accepted as an excuse for contravention of these Maximum Price Orders." It seems, for instance, that for the purpose of assessing the amount of Purchase Tax payable, Customs may value an article at 10s., while the Board of Trade, under the Prices of Goods Act, says its sales value is 8s., and it must not be sold for more. . . . Is this departmental collusion or just confusion?

Aspirin Toxicology

THE taking by a woman of about 970 grains of aspirin in one dose is, it may be hoped, an occurrence that is unlikely to recur. Certainly the measures to be adopted in treating such a case fall outside the normal province of the pharmacist. Nevertheless the successful medical treatment of the patient referred to (see p. 193) has a bearing on the general nature of aspirin poisoning and may give a clue to the correct method of dealing effectively with less extreme cases. The treatment adopted was based on controlling the patient's restlessness, correcting dehydration, overcoming collapse and eliminating acidosis, by means of glucose-saline injections and the administration of plasma and eucortone. The method was completely successful, and the result therefore lends support to the view of the prescribers that there is some similarity between the effects of aspirin poisoning and the state of diabetic coma. A curious feature of the case was that for some hours after taking the aspirin the patient was quite normal.

WE DO GET AROUND.—Writing from Carnoustie, a reader for over thirty years says: "The *C. & D.* has reached me in some outlandish spots, including British South-West Africa, during the last war." Now a fellow Scotswoman (formerly of Broughty Ferry), writing to our correspondent from the Indian State of Cochin, says that recently, when she was in Mattancherry, she purchased a four-ounce packet of senna pods, which, when handed to her, was wrapped in two pages of the *C. & D.*, dated September 15, 1917. On one of the pages was the formal notice of marriage of our Carnoustie reader, which had taken place at Broughty Ferry on September 5, 1917. The two pages of the *C. & D.*, over twenty-four years old, but in good condition, have been sent from India to our correspondent as an interesting souvenir.

CANADIAN NOTES

Montreal Pharmacist's Savings Effort.—Mr. A. Labarre, a pharmacist in business at Ontario Street East, Montreal, is selling \$1,000 worth of War Savings Stamps a month. His premises are situated in a district comprising both French and English-speaking Canadians.

Canadian Pharmacists to Sell Savings Stamps.—Pharmacists in Canada have been asked to become official vendors of War Savings Stamps. The director of War Savings Stamps Sales has stated: "Because I realise the influential place which you, as druggists, hold in your communities, I urge you in the strongest terms I can command to accept your appointment as official vendors of War Savings Stamps, and to give the Government your loyal and vigorous support. By doing so, you will not only be helping to provide weapons and munitions for our armed services, but you will also be helping to prevent inflation now and distress when the war is over."

Opium Omitted from Dispensed Medicines.—In a prosecution at Toronto, Canada, recently, Abraham Bergson, Pylon Drug Store, was fined \$50 on each of five counts of selling a medicine ordered on a prescription minus one of its important ingredients. An inspector under the Narcotics Division of the R.C.M.P. gave evidence that he inspected the Pylon Drug Store and found a prescription for tincture of opium but was unable to find any stocks of tincture of opium in the store, nor was the accused able to show any record of purchases. Bergson told the inspector that he made the prescription up without the tincture of opium.

Plans for Reducing Rubber Sales.—A campaign aimed at reducing sales of all rubber articles in Canada is under way. At the suggestion of the Rubber Advisory Committee, manufacturers of rubber articles are being asked to conduct a drive for curtailment of sales of all rubber goods, including hot water bottles and druggists' rubber sundries. The manufacturers will urge discontinuance of window and shop displays, and will suggest that the more essential rubber articles which are no longer being made, or which are being manufactured only in limited quantities, should be kept under the counter. They will also urge that all advertising and special price sales should be stopped.

Bid to Gain New Markets.—Quebec province, in an intensive drive to gain markets

vacated by European countries since outbreak of war, is attempting to take over the Canadian and United States cod liver oil markets previously held by Great Britain, Norway and Newfoundland. Before the outbreak of the present war, Canada produced no more than one-eighth of the consumption of medicinal cod liver oil. The factories have since sprung up at Rimouski, Riviere aux Renards and Paspebiac, along the Gaspé Peninsula. Present production of the factories is far below the established 300,000 gallons of medicinal cod liver oil which Canada consumes annually, but officials are hopeful that Canada will eventually become an exporter rather than an importer. In fact, the member of parliament for Gaspé North recently told the Provincial Lower House that the Quebec factories are already establishing markets in the United States. The factory at Rimouski was set up jointly by Canadian private interests and the Dominion and Quebec Governments.

Drug Production in War-time.—In an address entitled "The Problem of Medicinal Plant Production during War-time," given before the recent meeting of the Royal Society of Canada, Dr. Harold Seaton (Associate Botanist, Division of Botany, Dominion Department of Agriculture) stated that since the beginning of the war the Division of Botany had studied the possibilities of increasing production of certain drug plants being already grown in Canada and of commencing the production of others. Many plant drugs were used in the manufacture of proprietary medicines but relatively few were absolutely essential to the practising physician; emphasis had been placed on the latter group. Canada was the only native source of cascara sagrada in the British Empire, stated Dr. Seaton, and supplied an important part of the world demand for this valuable drug. The province of British Columbia has now passed legislation protecting the tree and carefully regulating the methods of harvesting. Methods of growing the cascara tree plantations were being studied. The supply appeared to be adequate supplies of the common foxglove, *Digitalis purpurea*, but there was a considerable demand for another species, *Digitalis lanata*, and seed supplies of this, as well as of belladonna and hyoscyamine, were scarce. Steps had been taken to increase as rapidly as possible the amount of seed available.

QUININE CONTROL ORDER

Control of Cinchona and Cinchona Products and Synthetic Substitutes (No. 1) Order, 1942 (S.R. and O., No. 1604, 1942), dated August 1942, made by the Minister of Supply under regulation 55 of the Defence (General) Regulations, 1939, is as follows:—

1.—(1) Subject to paragraph (3) of this Article, no person shall acquire or agree or offer to acquire any controlled material, unless the acquisition or proposed acquisition of the controlled material is (a) by any person from a registered medical practitioner or an authorised dealer of poisons in pursuance and for the purposes of a prescription written for that person and signed by a registered medical practitioner, or by any person being a hospital authority or an authorised seller of poisons or a registered medical practitioner where the aggregate of that person's stock of controlled material and controlled material being acquired or proposed to be acquired by him will not exceed the prescribed quantity, (c) by any person for use by him as an anti-malarial drug, where that person holds a certificate of a registered medical practitioner, or any official document issued by a Government Department, showing that he is suffering or has suffered from malaria, or by any person for use as part of the medical stores of a ship, (e) by any Government Department, or (f) by any person authorised to acquire that controlled material by a licence granted or a special or general direction issued by the Minister of Supply.

(2) Subject to paragraph (3) of this Article, no person shall dispose or agree or offer to dispose of any controlled material except (a) to a person permitted to acquire it under the provisions of paragraph (1) of this Article or under the authority of a special or general direction issued by the Minister of Supply. Provided that it shall be a defence for any person accused of having disposed or agreed or offered to dispose of any controlled material in contravention of this paragraph of this Article to prove that he believed on reasonable grounds that the acquirer or proposed acquirer of the controlled material was a person permitted to acquire it under the provisions of paragraph (1) of this Article.

(3) It shall be a defence for any person accused of having acquired or disposed of or agreed or offered to acquire or dispose of any controlled material in contravention of paragraph (1) or paragraph (2) of this Order to prove either: (a) that the controlled material was situated outside the United Kingdom at the time when its acquisition or disposal or agreement or offer (as the case may be) was made or, in so far as the agreement or offer did not relate to specific material, that no material situated or to be situated in the United Kingdom at the time of its acquisition or disposal was intended to be appropriated to the agreement or proposed agreement, or (b) that the controlled material was not delivered and was not intended to be delivered to any person in the United Kingdom

other than a person under an obligation to carry that controlled material on behalf of the acquirer thereof to a place outside the United Kingdom.

2. No person shall treat, use or consume any controlled material, unless such treatment, use or consumption is carried out (a) in pursuance and for the purposes of a prescription for a named person signed by a registered medical practitioner, (b) in a hospital or on board a merchant vessel for the purposes of any medical treatment of any person, (c) by any person using the controlled material as an anti-malarial drug, where such person is suffering or has suffered from malaria, (d) by any Government Department, or (e) by any person authorised to carry out that treatment use or consumption by a licence granted or a special or general direction issued by the Minister of Supply.

3.—(1) The holder of any licence granted under this Order shall comply with any condition contained or incorporated in the licence.

4. Any person who at the time when this Order comes into force owns or has in his possession or control an aggregate quantity of controlled material exceeding the prescribed quantity shall within twenty-one days from the coming into force of this Order furnish to the Director of Medical Supplies, Ministry of Supply, Portland House, S.W.1, a return in writing in the form set out in the Schedule to this Order containing the particulars shown by that form to be required.

5. Any person carrying on or employed in connexion with any undertaking which involves the production, treatment, keeping, storage, distribution, disposal, acquisition, use or consumption of any controlled material, shall, upon being requested so to do either by notice given to him or by a special or general direction issued by the Minister of Supply, permit any inspector or examiner appointed by the Minister of Supply to enter and inspect, with a view to securing compliance with this Order, any premises used for or in connection with that undertaking.

6. In and for the purposes of this Order (a) the expression "controlled material" means (i) any bark, whether whole or ground or crushed or in any other form, of any variety of any species or hybrid of cinchona, and any preparation thereof; (ii) any alkaloid of any such bark as aforesaid, and any salt or derivative of any such alkaloid, whether such alkaloid or salt or derivative is in crude or pure form or any other form, (iii) any Totuquina or Quinetum, (iv) any mixture of cinchona alkaloids, (v) any cinchona febrifuge, or (vi) any synthetic product or material which according to current medical opinion is recognised as a specific for the prevention, alleviation or cure of malarial infections.

(b) The prescribed quantity is a quantity of controlled material which calculated in terms of quinine is 25 ounces avoirdupois, (c) the expression "treat, use or consume" in relation

to controlled material includes (without prejudice to the generality of the expression) the mixing of it with any other material whether or not such other material is controlled material, (d) the expression "authorised seller of poisons" has the same meaning as it has in the Pharmacy and Poisons Act, 1933, (e) the expression "hospital authority" means any person carrying on or in charge of a hospital, and the expression "hospital" means any hospital, clinic or other institution providing medical or surgical treatment, which is provided by any local authority or supported wholly or partly out of any public funds or by a charity or by voluntary subscriptions, (f) the expressions "acquire" and "acquisition" and "dispose of" and "disposal" include respectively any acquisition or disposal of (i) ownership or any proprietary interest or (ii) the right to possession or (iii) possession, whether or not accompanied by any acquisition or disposal of ownership or of any proprietary interest or of the right to possession. (g) where any material is acquired by or disposed of to a carrier or warehouseman or servant or agent acting in the ordinary course of his business or employment as such, that material shall be deemed to be acquired by or disposed of to the person on whose behalf or to whose order the carrier or warehouseman or servant or agent so acquires that material and not by or to the carrier or warehouseman or servant or agent;

and where any material is acquired from or disposed of by a carrier or warehouseman or servant or agent acting as aforesaid, that material shall be deemed to be acquired from or disposed of by the person on whose behalf or by whose order the carrier or warehouseman or servant or agent so disposes of that material and not from or by the carrier or warehouseman or servant or agent, and (h) reference to offers to acquire or dispose of shall be construed respectively as including references to invitations to offers to dispose of or acquire.

7. This Order shall come into force on August 13, 1942.

Schedule

(Form of return under Article 4 of the Control of Cinchona and Cinchona Products and Synthetic Substitutes (No. 1) Order, 1942)

I/We have in my/our ownership or possession or control the "controlled material" (as defined overleaf) of the description(s) and in the approximate quantity(ies) and at the place(s) set out below:—

Description	Approximate quantity	Place
.....

and I/We have not in our ownership or possession or control any controlled material otherwise than as set out above.

Signature.....

COMMERCIAL NOTES

Spice Quota in U.S.A.—Restrictions have been placed on the distribution of black and white pepper, pimento, cassia, cloves, ginger, nutmegs and mace by the United States War Production Board. The Order places a quota on the amount of each spice that may be delivered monthly by a packer and on the amount an industrial or wholesale receiver may accept.

Pyrethrum Controlled in U.S.A.—Pyrethrum has recently been brought under official control in the United States, and no supplies may be delivered without authorisation of the Director of Industry Operations, who may also direct the use to which it may be put. Pyrethrum imports into the United States totalled 12,600,000 lb., valued at approximately \$3,000,000, in 1940. Of this total British East Africa supplied 10,387,000 lb.

U.S.A. Quinine Supply Conserved.—All available supplies of quinine have been controlled by the United States War Production Board. The Order affects all sellers of quinine but not the ultimate consumer. Sales are permitted, however, for use as an anti-malarial agent or as an ingredient of quinine and urea hydrochloride, and stocks of quinine in combina-

tion with other medicaments are not restricted. Holders of stocks of 50 oz. or the alkaloid or 50 lb. of the parent bark must report such stocks to the War Production Board. The United States Government, it is stated, has acquired a substantial reserve and, in addition, large supplies are in the hands of manufacturers and distributors.

South Africa Import Restrictions.—The Postmaster-General announces that the Government of the Union of South Africa has issued an Order that came into force on July 27, prohibiting importation by parcel post into the Union of South Africa and into South-West Africa from the United Kingdom of any goods for trade purposes (i.e. for resale or for manufacture or processing for sale) except under special permit issued by the Union Controller of Imports, Pretoria, or by the High Commissioner for the Union of South Africa, Trafalgar Square, London, W.C.2. The special permits will be issued only exceptionally, for example, in respect of essential drugs and medical supplies. They must be enclosed in the parcels to which they relate, and senders should endorse Customs Declarations accompanying the parcels to the effect that an import permit is enclosed.

COLIMA LIME OIL

COLIMA, the principal lime-producing area of Mexico, possesses 20 per cent. of the lime-producing trees in the country, Michoacan being second with 16 per cent., and Veracruz third with 15 per cent. Reasons for Colima's lead are to be found in its humid, tropical climate and rich volcanic soil, which provide ideal conditions for cultivating the fruit. Lime growing is Colima's most important industry, exceeding production of sugar, coquito nuts, coconuts, rice and other foods.

Cultivation of the lime tree on an important scale began in 1900 and has expanded rapidly during the past few years. Since 1936, an average of 25,000 trees have been planted annually. Trees in production in 1939 were estimated at 150,000; today they are said to number between 200,000 and 250,000. During 1941, about 40,000 new trees were planted, and 60,000 new trees may, it is reported, be planted this year. Colima trees reach full production about six years after planting and continue to bear for fifteen to twenty years.

From 1931 to 1941, exports of limes rose from 6,000 to 35,000 boxes (60 lb. per box),

and domestic consumption from 1,000 to 16,000 boxes. The figures are exclusive of limes sold each year to lime-oil factories for industrial purposes. Although production of lime oil is a fairly recent development, this aspect of the industry is mounting steadily in importance. Practically all the lime-oil plants of Mexico are located in Colima. The first plant was built in 1935, and some 2,800 lb. of distilled oil were produced that year from 400 tons of limes. In 1941, over 48,000 lb. of lime oil were distilled from more than 5,000 tons of limes delivered to the seven mills now in operation. It is estimated that 1942 production of lime oil will exceed 50,000 lb.

During normal times the mills consume about 50 per cent. of the state's annual lime crop, utilising the culls and unmarketable fruit. Since the beginning of the war, the price of distilled lime oil has advanced from \$3.25 to \$8 per lb. and of cold-pressed oil from \$8.50 to \$12 per lb. Practically all the lime oil produced goes to the United States. Of all seven Colima oil plants now yielding distilled lime oil, only two produced cold-pressed oil.

VITAMINS FROM U.S.A.

THE United States Department of Commerce, in a recent issue of "Foreign Commerce Weekly," gave the following information regarding vitamin A:—

Since the United States became the "leader of democracy" under the terms of the Lend-Lease Act in April 1941, we have maintained a steady flow of life-giving vitamins and food concentrates to the United Nations, principally Great Britain. Recent figures show that, up to March 1, this country shipped to its allies 90,563 lb. of vitamin A, as well as 1,833 lb. of carotene; 4,701 lb. of vitamin C; 2,886 lb. of vitamin B₁; and 248,865 gallons of orange- and lemon-juice concentrates, heavily impregnated with vitamin C.

In normal times the United States each year imported around 70 million lb. of cod liver oil of cod liver oil—one of the chief sources of vitamin A—from Norway and other European countries, and lesser amounts from Japan. The first source almost dried up with the Nazi invasion of April 1940, and the Japanese source went the same way on the day of Pearl Harbour. Necessity mothered a hasty search for new

sources, and one result was a boom in the soup-fin shark industry on the Pacific coast. At the same time that the supply was vanishing, the need for vitamin A was becoming acute. The shortage of vitamin A turned out to be the equivalent of a gold mine for the fishermen of California, Oregon and Washington. For years they had tossed it overboard as of no commercial value except for the fins, which were considered a delicacy by the Chinese. Then it was found that the huge liver of the soup-fin shark comprised more than 50 per cent. oil, and that the oil had a higher vitamin-A potency than that of almost any other fish, amounting, for example, to thirty times that of cod. Thousands of fishermen abandoned their usual catches to go after sharks. The price of whole sharks rose from \$40 to \$800-1,500 per ton, and the price of livers rose from 20 cents per lb. to from \$6 to \$9 per lb. The total catch of soup-fin sharks on the Pacific coast amounted to more than 5,000,000 lb. in 1940. From this were manufactured 25,000 billion units of vitamin A, or more than 60 per cent. of the national production.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, August 19

It would be extremely difficult to find more than a few items in the London drug and chemical markets showing any degree of activity this week. The usual seasonal lull, coupled with a paucity of supplies of some products, has reduced business temporarily to a low level. In a few weeks' time, however, as buyers become more interested in obtaining supplies to meet autumn and winter requirements, trade in all sections should show a distinct improvement. Among PHARMACEUTICAL CHEMICALS there are few price changes of importance to record. Reasonable supplies of GUAIACOL CARBONATE and CRYSTALS are now stated to be available. Revised prices for the home trade in MERCURIALS are not yet available, despite the fact that the rise in MERCURY, which makes such a development necessary, came into operation on July 28; it is understood that makers are awaiting the new schedules of sales prices, but it is difficult to see why these could not have been issued simultaneously with the announcement of the increase in the basic metal. In the meantime business is practically at a standstill. Sales prices of METHYL SALICYLATE have been advanced by one penny per lb. TANNIC ACID remains extremely firm, with supplies restricted.

Crude Drugs

There is very little of interest to comment on in the CRUDE DRUGS section. Some "free" AGAR is reported to have changed hands at prices rather in excess of those ruling of late. BENZOIN is inclined to be dearer. Interest in CAMPHOR is lacking as a result of the poorness of supplies. Most of the CASCARA SAGRADA imported under the terms of the Lease-Lend arrangement is believed to have been distributed; it is possible, however, that a further distribution may take place. CHILLIES are steady at the lower levels noted last week. An increase of one penny per lb. is recorded for Zanzibar CLOVES. Interest in ERGOT is lacking and it is somewhat difficult to arrive at prices, which seem to vary considerably according to holders' ideas. Rumours that the price of GUM ACACIA may be controlled are probably responsible for most buyers

holding off this item. Although no quotable changes have occurred in IPECACUANHA the tendency is towards slightly higher values for the Matto Grosso variety. Dealers holding supplies of Brazilian JALA are asking rather higher figures for this item. Inquiries for MYRRH have mostly been for the cheaper grades but supplies are by no means easy to find. Demand for PIMENTO has been quite exceptional and the spot price shows a substantial advance. SARSAPARILLA, which has sold quite well during recent weeks, is becoming increasingly difficult to find on spot, but the price has remained steady. The only feature of interest among the SEEDS is an upward movement in English MUSTARD; most imported seeds are in short supply and very little business is being done. In the absence of DERRIS ROOT from the market, dealers are selling TIMBO as an alternative; it is understood that several tons of this material are still available. Some of the principal medium grades of TRAGACANTH are at slightly lower levels.

Essential Oils

The market for ESSENTIAL OILS, although quite steady, has seen very little business during the week. This time of year is normally a quiet period, and many users are doubtless working on supplies already on hand. Seasonal requirements, however, may soon result in a few brisk spurts of business, which will be welcome to dealers. There are no price changes of importance to record. The Ministry of Supply has announced prices for GUM and Woods SPIRITS OF TURPENTINE and PINE OIL imported by the Ministry in drums or barrels. These prices, which operate on and after September 1, are naked and deliveries will be made in loaned drums or barrels, which are to be held at the disposal of the Ministry, who will arrange for collection by agents appointed for this purpose.

Exchange Rates on London

The principal rates of exchange have remained steady during the week. The rates include New York, 4.03 dollars; Montreal, 4.45 dollars; Netherlands West Indies, 7.60 florins; Zurich, 17.35 francs; Stockholm, 16.90 kroner; Buenos Aires, 17.02 paper pesos; Lisbon, 100 escudos; Chinese National dollars, 33½ d.; Madrid, 40.50 pesetas.

Pharmaceutical Chemicals

ASPIRIN TABLETS.—Makers' current rates are as follows: Under 5,000, 3s. 5d.; 5,000, 3s. 3d.; 10,000, 3s. 2d.; 25,000, 3s.; 50,000, 2s. 11d.; 100,000, 2s. 10d.; 250,000, 2s. 9½d.; 500,000, 2s. 9d.; 1,000,000, 2s. 8d.; 2,000,000, 2s. 7d. per 1,000.

BENZOIC ACID.—Prices remain in the region of 2s. 6d. to 3s. per lb., according to quantity.

BENZYL BENZOATE.—Supplies are available for medicinal use only at from 4s. 6d. to 5s. per lb.

BISMUTH SALTS.—Makers' prices are steady:

Salt	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.
carbonate ..	s. d. 11 3	s. d. 10 9	s. d. 10 0	s. d. 8 7	s. d. 8 4
nitrate ..	13 4	12 10	12 1	10 4	10 1
nitrate, cryst.	7 7	7 1	6 4	5 7	5 4
oxide ..	15 4	14 10	14 1	12 0	11 9
salicylate ..	11 9	11 3	10 6	9 0	8 9
subchloride ..	14 11	14 5	13 8	11 8	11 5
subgallate ..	13 6	13 0	12 3	10 9	10 6
subnitrate ..	9 11	9 5	8 8	7 6	7 3

Subchloride of threepence per lb. allowed off 1-cwt. prices on sales of not less than 2 cwt., or against contracts of not less than 2 cwt., provided whole of contract quantity is ordered within three months. Contracts subject to rise-and-fall clause. Prices net: payment in fourteen days. For quantities of 28 lb. and upwards, in the home trade, an extra charge of threepence per lb. is made for 1-lb. portions and 1-lb. parcels, even when repacking into portions or parcels is effected by purchaser. Smaller quantities than 28 lb. are not subject to this extra charge. Under present conditions all prices and sale terms are without engagement.

COCAINE.—British makers' current wholesale prices are as follows: **HYDROCHLORIDE** and **TRATE**, 25 oz. and over, 35s. 8d.; 16 oz. and less than 25 oz., 36s. 10d.; over 8 oz. and less than 16 oz., 38s. per oz. **ALKALOID**, **CITRATE**, and **SALICYLATE**, 25 oz. and over, 39s. 11d.; 16 oz. and less than 25 oz., 40s. 4d.; over 8 oz. and less than 16 oz., 41s. 7d. per oz., 16-oz. packages free, smaller packing extra. The scale of prices applicable to distributors of smaller quantities is as follows: **HYDROCHLORIDE** and **TRATE**, 8 oz., 40s.; 4 oz. and less than 7 oz., 41s. 7d.; 2 oz. and less than 4 oz., 41s. 6d.; 1 oz. and less than 2 oz., 42s. 7d.; ½ oz. and less than 1 oz., 44s. 2d.; ¼ oz. and less than ½ oz., 47s. 3d. per oz. **ALKALOID**, **CITRATE** and **SALICYLATE**, 8 oz., 43s. 5d.; 4 oz., and less than 8 oz., 44s.; 2 oz. and less than 4 oz., 44s. 11d.; 1 oz. and less than 2 oz., 46s. 2d.; ½ oz. and less than 1 oz., 47s. 9d.; ¼ oz. and less than ½ oz., 51s. 10d. per oz., packages extra. Re-sale: all are subject to buyers' undertaking not to resell any quantity below scale current at time of re-sale. Export prices vary according to destination.

CODEINE.—Makers' prices for 4-oz. lots are as follows: **ALKALOID**, 38s. 3d.; **PHOSPHATE**, 3s. 3d.

ETHERS (METHYLATED).—The following are makers' prices:—

Specific gravity and grade	Winchester quarts, per lb.	Not less than		Drums and carboys, per lb.
		6 w. qts., per lb.	12 w. qts., per lb.	
0.750	s. d. 1 5½	s. d. 1 4½	s. d. 1 4½	s. d. 1 3½
0.735	1 5½	1 5½	1 4½	1 3½
0.730	1 5½	1 5½	1 4½	1 3½
0.725	1 7½	1 7½	1 6½	1 5½
0.725 triply rectified	2 0½	1 11½	1 11½	1 10½
0.720	1 8½	1 8½	1 7½	1 6½
0.717	2 2½	2 2½	2 1½	2 0½
0.720 B.P., not for anaesthesia	1 10	1 9½	1 9	1 8

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause. Prices for anaesthetic ethers unchanged.

MERCURIALS.—New prices for the home market are not yet available. It is understood that makers are awaiting revised scales consequent on the increase in the price of mercury metal which came into force on July 28 (C. & D., August 1, p. 130).

METHYL SALICYLATE.—Price has been advanced by one penny per lb., as follows: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PHENOLPHTHALEIN.—Makers' prices are steady as follows: Less than 7 lb., 4s. 3d. per lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 28 lb., 4s.; 1 cwt., 3s. 11d.

SANTONIN.—No change in home trade prices: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the United Kingdom; 1-kilo packages free.

SODIUM SALICYLATE.—Details of makers' current prices were given last week (p. 182).

TANNIC ACID.—Firm with supplies restricted. Average price, about 7s. 6d. per lb.

THEOBROMINE.—Limited quantities of British made materials are stated to be available at the following prices (cases and tins extra when supplied):—

	56 lb. to 1 cwt.	28 lb. to 56 lb.	Lesser quantities
	lb.	lb.	lb.
Alkaloid	s. d. 44 6	s. d. 46 0	s. d. 47 6
Sodium benzoate ..	27 0	28 6	30 0
Sodium salicylate ..	27 10	29 4	30 10
Calcium salicylate ..	36 9	38 3	39 9

VANILLIN.—Makers' prices are steady, as follows: Ex clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d., carriage paid in U.K. Tins in cases returnable.

Crude Drugs

ACONITE ROOT.—First-hand supplies are exhausted, and no quotations are available.

AGAR.—Rather more demand has been received, and a few bales of unrestricted material are reported sold at 67s. 6d. per lb.; it is doubtful if any further supplies are available at under about 70s. per lb., and some holders are asking half-a-crown over that figure. Supplies of medicinal are difficult to locate under about 45s. to 50s. per lb.; bacteriological would be worth from 25s. to 30s. per lb.

ALOES.—Spot prices of Cape vary from about 62s. 6d. per cwt. for f.a.q. to around 65s. for prime. Shipment offers of Curaçao continue in the region of 390s. to 450s. per cwt., c.i.f., as to seller and quality.

ANTIMONY.—Both price and supply position are unchanged. English minimum 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, £100 per ton delivered.

ARECA NUT.—Unquoted; supplies are severely restricted.

BALSAMS.—Quiet, with no changes in prices. *Tolu*, on spot, approximately 9s. 6d. per lb.; *Canada*, about 8s. 6d. per lb.; *Peru*, around 7s. 9d. per lb.; *Copaiba*, B.P., unquoted in the absence of supplies.

BELLADONNA ROOT.—Most of the tested parcels appear to have been sold. Some untested remains on spot at around 4s. 6d. per lb.

BENZOIN.—Ordinary material is moving along slowly at from £15 to £20 per cwt., according to quality and seller. Free almondy, spot, from £30 to £35 per cwt., in small lots.

BISMUTH METAL.—Current quotations for high-grade metal are steady at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Firm, with spot quoted at around 6s. 3d. per lb.

CALUMBA ROOT.—Supplies are becoming restricted. Any remaining small lots of good washed root would fetch about 190s. per cwt.

CAMPHOR.—Very little business passing because of poor supplies. Prices are approximately as follows; Chinese, B.P., 11s. 6d. per lb.; crude (92 per cent.), 10s. per lb.; Japanese slabs, about 11s. 6d. per lb. Some English synthetic camphor is passing to approved buyers.

CARDAMOMS.—Practically nothing doing in this market; values unchanged. Aleppy greens, spot, about 5s. 6d. to 5s. 9d. per lb.; shipment, 5s. 1d., c.i.f. Aleppy seed, spot, about 5s. 9d.; shipment, 5s. 3d.; c.i.f. Split seed, spot, about 4s. 9d.

CASCARA SAGRADA.—It is understood that most of the material imported under the Lease-Land agreement has now been distributed. Price to users is 150s. per cwt., ex store.

CHILLIES.—London prices are steady at the lower levels mentioned last week. Spot, Zanzibar, 150s.; Mombasa, 150s.; Sierra Leone, 150s. per cwt., ex store.

CLOVES.—Quiet conditions prevail on this market. Zanzibar is quoted on spot at 1d. per

lb. over last week's price, i.e. at 1s. 8d. per lb. sellers; second quality afloat is at 1s. 3d. per lb., c.i.f. There are no quotations for Madagascascar.

DIGITALIS LEAVES.—Spot price of Portuguese would be in the region of 120s. to 130s. per cwt. according to seller.

DRAGON'S BLOOD.—Re-boiled is exceedingly scarce and the spot price is nominal at £4. per cwt.

ERGOT.—Little interest is being taken in this item. Shipment value would be in the region of 6s. 6d. per lb., c.i.f., and spot should be obtainable at around 6s. per lb.

GINGER.—No information has yet come to hand concerning the fixing of maximum price by the Ministry of Food, and quotations are consequently nominal. West African, spot, 200s. per cwt.; Cochin, unwashed, spot, 200s. Jamaica No. 3, spot, 230s.

GRAINS OF PARADISE.—Any remaining small supplies on spot would fetch about 1s. 10d. per lb.

GUM ACACIA.—Conditions are quiet and price show no material change. Kordofan cleaned sorts, spot, restricted, 165s. per cwt.; unrestricted, about 230s. per cwt. Shipment, 72s. 6d. per cwt., nominal, c.i.f.

HONEY.—For particulars of revised price schedules for first-hand and wholesale transactions, see C. & D., May 9, p. 527.

HYDRASTIS.—Users of supplies imported under the Lease-Lend arrangement are required to pay 22s. 6d. per lb., ex store, with an additional small charge for repacking.

IPECACUANHA.—Market steady, with no quotable change in prices: Matto Grosso, spot about 18s. per lb., ex store; shipment, 16s. 3d. per lb., c.i.f. Minas, spot, B.P., about 12s. 3d. to 12s. 6d.; not quite B.P., 11s. 9d. to 12s. per lb. Current prices for Ext. IPECAC. 110., in Winchester quarts, are: B.P., 1932, under three 26s. per lb.; three and under six, 25s. 6d. six and under twelve, 25s.; twelve and over 24s. 6d. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

LOBELIA HERB.—The price to users of material imported under the Lease-Lend arrangement is 2s. 8d. per lb., ex store.

MENTHOL.—Small inquiry; prices are at the levels noted last week. Chinese, 72s. 6d. to 75s. per lb. Japanese, nominal at 75s. per lb.

MERCURY.—Full particulars of current official prices, which range from £68 10s. to £69 15s. per bottle for quantities over 7 lb., were given in the C. & D., August 1, p. 131.

MYRRH.—Good demand for the cheaper grades, but stocks are not plentiful. Aden sorts spot, about £16 per cwt.

NUTMEGS.—No change in prices. West Indian sound unassorted, spot, 2s. per lb.; wormy and broken, 1s. 10d.; 80's, 2s. 6d.; Eastern browns 80's, 2s. 9d.

NUX VOMICA.—Small routine spot business. Whole black Lampong, as fixed by the Ministry of Food, is 5d. per lb. in bond; white Muntok, in a similar condition, is 8d. per lb.

PEPPERS.—The maximum price of unpicked whole black Lampong, as fixed by the Ministry of Food, is 5d. per lb. in bond; white Muntok, in a similar condition, is 8d. per lb.

PIMENTO.—Spot demand has been better. Price shows an advance to 2s. 6d. per lb., nominal; shipment, August–September, 140s. per wt., c.i.f., nominal.

RHUBARB.—In steady routine demand, but sales are not large. Spot, rough-round, from 5s. 6d. to 7s. 9d. per lb.; slightly wormy, about 5s. 3d. Shensi, spot, 9s. 6d. to 10s. per lb.

SARSAPARILLA.—Spot supplies of native red-sh are again becoming more difficult to find, and little would be available under about 3s. per lb.

SEEDS.—The only feature of interest in this market is a slight upward movement in English mustard which is now quoted at from 140s. to 150s. per cwt., according to quality. Business in most varieties is negligible. **ANISEED.**—No supplies are available, but replenishments are expected. **CANARY.**—None available. **CARAWAY.**—No supplies are available. **CORIANDER.**—Indian, spot, none available at present; English, quoted at 220s. **CUMIN.**—Malta, 165s., duty free; Indian, 165s. **DILL.**—Spot, quoted at 170s. **FENNEL.**—Indian, business done on spot at 15s., duty free. **FENUGREEK.**—Nothing available.

SENEGA.—Spot supplies are limited and would be worth around 7s. 6d. per lb.

SENNA.—Tinnevely, good hand-picked pods are offered on spot at prices ranging from 1s. 4½d. per lb.; ordinary, from about 10½d. to 1s. 2d. per lb.; f.a.q., 7d. to 10d. per lb., ex store. Tinnevely leaves vary according to size and colour from about 5½d. up to 1s. per lb. for to medium Alexandrian pods would be worth about 3s. 9d. to 4s. per lb., and broken leaves about 1s. 3d. to 1s. 4d. per lb.

SHELLAC.—Market featureless. Standard TN orange, spot, 200s. per cwt., value. Pure button, quoted; fine orange, 240s. to 290s. quoted.

STROPHANTHUS SEED.—Spot, 100 per cent. sample, from 10s. to 10s. 6d. per lb., according to quantity.

TIMBO.—Some spot available at from 2s. 8d. to 3s. per lb.

TRAGACANTH.—Quiet, with some medium grades at slightly lower prices. Current rates are as follows: No. 1, white, £135; No. 2, white, £8; No. 3, white, £105; No. 4, white, £90; green leaf, £85; amber leaf, £70; red and brown leaf, £47; red leaf, from £42; woody and dry, from £18, ex store.

TURMERIC.—Little business passing in this market. Madras finger, sound quality, spot, 70s. per cwt., nominal; wormy, 67s. 6d. per cwt.

WAXES.—Quiet; no price changes. **BEES'.**—Quoted. **CARNAUBA.**—Fatty grey, 510s.; silky grey, 500s.; Primeira, 585s. per cwt.

Essential and Expressed Oils

ANISE (STAR).—Any available supplies of genuine Red Ship oil in drums would be worth from 52s. 6d. to 53s. per lb.; tins in cases, 53s. to 54s.

BAY.—Market quiet, with spot quoted at around 12s. to 13s. 6d. per lb., according to quantity.

BERGAMOT.—Business in any small supplies of genuine oil that may be available would be by negotiation, with a possible basis of 100s. per lb.

CAMPHOR (WHITE).—About 500s. to 550s. per cwt., duty paid, would be required for any odd drums that may be available on spot.

CASSIA.—Spot supplies are meagre. Any available good-quality oil would find a ready sale at from 60s. to 70s. per lb.

CINNAMON LEAF.—Spot steady, but quiet. Price about 14s. 6d. to 15s. per lb., according to quantity.

CLOVE.—English distillers continue to quote at from 15s. to 16s. 6d. per lb.; supplies are stated to be reasonable.

EUCALYPTUS.—Demand has been fair, and prices are firm, with supplies limited. Spot, about 5s. 3d. per lb.

FENNEL.—Sweet is obtainable on spot at approximately 30s. per lb.

GERANIUM.—Business in any available spot supplies would be by negotiation, with 80s. per lb. as a possible basis.

GINGERGRASS.—Obtainable on spot at around 25s. per lb., or perhaps a little less, according to quantity.

GROUNDNUT.—Refined deodorised is officially quoted at £44 10s. per ton, naked ex works.

LAVENDER.—Good-quality oil on spot would fetch about 85s. per lb., with lower grades and substitutes at cheaper prices.

PEPPERMINT.—Spot supplies are extremely difficult to locate. Holders of Chinese would require about 82s. 6d. to 85s. per lb., ex store.

PINE.—The price of pine oil in loaned drums or barrels, as imported by the Ministry of Supply, will be 87s. per cwt. ex store and duty paid. Prices are naked and deliveries will be made in loaned drums or barrels which are to be held at the disposal of the Ministry, who will arrange for their collection. These prices will operate on and after September 1 until further notice.

SANDALWOOD.—Genuine East Indian Mysore, if available, would cost 34s. per lb. for delivery in one-case lots.

TURPENTINE.—The price of gum and wood spirits of turpentine, in loaned drums or barrels as imported by the Ministry of Supply, will be 87s. per cwt. ex store, duty paid. Prices are naked and deliveries will be made in loaned drums or barrels which are to be held at the disposal of the Ministry, who will arrange for their collection. These prices will operate on and after September 1 until further notice.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

• Percaine instead of Procaine

SIR,—With reference to the report in your issue of August 15 (p. 168), as manufacturers of Percaine may we draw attention to the following points. The coroner is reported to have stated that he thought that it was regrettable that so many proprietary names existed for preparations of cocaine. Percaine, as is generally known, is not a preparation of cocaine, being of an entirely different chemical character. The similarity of the name of the drug to procaine is fully appreciated, but the fault does not lie with us. The trade mark Percaine was registered twenty-four years ago, and we were astonished when the 1932 British Pharmacopoeia was published that the official name procaine was given for another anæsthetic. Apparently the Ciba trade mark was overlooked and we have since written to the medical journals pointing out the fact and suggesting that the B.P. name should be altered, but so far no action has been taken. It is also reported that the dispenser stated that she had heard of Percaine and had used it on previous occasions. In the circumstances, she should certainly have been acquainted with the following caution which is printed in red on all enclosure pamphlets accompanying the packages of the drug: "As the effect of Percaine is considerably more intense than that of the usual local anæsthetics, it is important to study the information concerning the concentrations and maximal doses to be employed." Percaine is never used as a 5 per cent. solution. A solution of 1:1,000 would have been the correct strength to employ in the case referred to.

Yours faithfully,

CIBA LIMITED,

T. F. M. SMART,

Managing Director.

Horsham.

Appreciations

Many thanks for all your assistance on numerous occasions over many years, always appreciated by—WM. W. & SON, LTD., Bradford.

We really do appreciate the fact that you must have gone to a great deal of trouble to answer our query, which has helped us considerably.—J. B., LTD., Wolverhampton.

TRADE MARKS

(From "The Trade Marks Journal," July 22)

"KARNOTOLINE"; for pharmaceutical substances for human and veterinary use, and for sanitary substances (5). By Kernco Holding Co., Ltd., 19 Berkeley Street, London, W.1. 618,621.

"NOVOTINE"; for pharmaceutical preparations (5). By Wolverhampton Chemical Co. Ltd., 50 South Audley Street, London, W.1. 618,428.

"VACHO"; for veterinary preparations (5). By Vacho, Ltd., North Circular Road, Twyford Avenue, London, N.W.16. 618,60 (Associated).

"LACTA"; for medicated confectionery (5). By Charles Kent (Products), Ltd., "Hell field," Hallam Street, Guiseley, near Leeds. 618,723.

"CLARINDA"; for sanitary towels (5). By Jacquessil Fabrics, Ltd., Red Bank Mills, Pilkington Street, Radcliffe, Lancashire. 619,098.

(From "The Trade Marks Journal," July 29)

"DORNA" and "DAMINE"; for toilet article (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. B618,423; 618,510.

"GONG"; for toilet articles (3). By S. Henry, 7 West 22nd Street, New York, U.S.A. 618,510.

"REVELATION"; for toilet articles (3). By The Dubarry Perfumery Co., Ltd., Goldstone Laboratories, Hove Park Villas, Hove, Sussex. 619,110 (Associated).

"DICTREEN"; "KEM-A-VIV"; and "TAWNIC" for non-medicated preparations for the hair and scalp (3). By Vine's, 22-24 Harrow Road, Paddington, London, W.2. 619,213 14-15.

"MISTOL DROPS FOR THE NOSE AND THROAT" on label incorporating pictures of man and woman using dropper (device disclaimed).

"MISTOL" with directions on label device for medicated preparations for the nose and throat (5). By Stanco Incorporated, Bayway, New Jersey, U.S.A. 617,732; 617,73 (both associated).

"HAPPITABS"; for medicinal tablets (5). By Braderings, Ltd., Mill Street, Clowne, Derbyshire. 617,862.

"KEPSINS"; for pharmaceutical preparation (5). By Westminster Laboratories, Ltd., Chancery Lane, London, W.C.2. 618,324.

"GUAMIDE"; for pharmaceutical preparations all being amides, for intestinal and bacterial infection (5). By Watford Chemical Co. Ltd., 50 South Audley Street, London, W.1. 618,435.

"DYSASTOL"; for pharmaceutical preparations for dysmenorrhœa (5). By H. R. Napp Ltd., 3 and 4 Clement's Inn, Kingsway, London, W.C.2. 618,815.

"PEDOX"; for medicated preparations for treatment of corns (5). By Reckitt & Colman, Ltd., Kingston Works, Danson Lane, Hull. 618,883.

VITAMIN DEFICIENCY

THE action of vitamin B₁ in beriberi and neuritis, and of vitamin C in scurvy is well known. There is, however, increasing evidence that, owing to wartime dietary restrictions, a state of mild hypovitaminosis exists in a large number of cases. In order to supplement this vitamin deficiency, the exhibition of vitamins B₁ and C in tablet form is recommended.

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A new "Economy" Packing of 'Betaxan' Forte Solution is issued in bottles of 10 c.c. (250 mg.).

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'Cantan'
★

BRAND OF

VITAMIN

C

Packings: Solution, Boxes of 5 & 25 ampoules of 2 c.c. (0.1 g.); Forte, Boxes of 3 & 15 ampoules of 5 c.c. (0.5 g.); Tablets, Tubes of 20, and Bottles of 100, 250 & 1,000 (0.05 g.). For Children; Tablets, Bottles of 50 & 250 (0.005 g.).

New! Tablets of .025 g. in bottles of 50 & 250.

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Sodium Soda, Anhydrous Soda Carbonate, Zinc Chloride, etc. Emulsifiable Wax, Beeswax Substitute, Hard Paraffin Wax, Soft Paraffins—white, yellow, Levigated Chalk, Talc Powder, 'Essbee' Emulsifiers, 'Essbee' Moth Larvicide (packed in 500 g. containers), Colloidal Kaolin, Oxylchlorine, Acids, etc., etc.

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Announcement



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Manufacturers of
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WELWYN GARDEN CITY

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IN FREE SUPPLY

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IN FREE SUPPLY

- **BICKIEPEG VEAL BONE & VEGETABLE BROTH** for babies from birth and nursing mothers. Valuable Vitamin C content. Retail 2/3d. per jar.

IN SHORT SUPPLY

Bickiepeg Broth is strictly and fairly rationed and chemists are kindly requested to inform customers of the fact.

- **FORTIGEN**, a tonic (cereal) food. Taken with milk, or can be sprinkled over any food. Needs no cooking. Contains vitamins A, B, C & D. Retail 1/6d. per carton.

IN FAIR SUPPLY

Order through your usual wholesaler, or the sole distributor:

MAY ROBERTS & Co. LTD.

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Make the Most of your 'ASPRO' Display

Stickers
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Available
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**PLEASE
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the
BEST
USE
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ANY
YOU
HAVE!**

The latest paper coming in order has brought home to everyone how precious paper and board have become. We have always pointed out to chemists the importance to their own interests of using display material to the best advantage.

Now it has become a matter of vital concern to the nation. Existing stocks of showcard stickers, etc., must be made to last. They cannot be replaced. Will you please help us in making the most of a 'ASPRO' showcard stickers you already have. You will be doing the best possible service to your own business at the same time.

So remember: a continuous 'ASPRO' show will capitalise

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NOTE.—We can still supply display material on request. If your present showcard is really worn out put it with your other salvage and please write us for new ones.

We have a limited supply of
Chemists' 2 oz. bags available at
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By arrangement with their British
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Orders for "HORMOTONE" Brand or "HORMOTONE"
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In cases of anæmia there is no tonic to compare with Compound Syrup of
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For over 60 years this preparation has enjoyed the confidence of the Medical
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Take advantage of our experience and of the great care devoted to the manufacture
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Your prestige will be enhanced by the sale and recommendation of "FELLOWS."

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ZONING OF CHEMISTS' CONFECTIONERY

**How to obtain supplies
on and after Sept. 19th**

AFTER September 19th, in accordance with the Government Zoning instructions, chemists will be required to submit their ration documents for replacements of Barley Sugar and Glucose Confections to suppliers in their own Zone.

By reciprocal arrangements two "C.F." firms are able to supply chemists in the Eastern and Western zones. Deliveries will be made in due course by each supplier, against ration documents supplied to them by the chemists of the respective zones, to the extent of available stocks.

IF YOU ARE IN THE EASTERN ZONE:—

Northumberland, Durham, Yorkshire, Lincs, Derby, Nottingham, Rutland, Leicester, Northampton, Soke of Peterborough, Bedfordshire, Cambridge, Huntingdon, Norfolk, Suffolk

your suppliers are: A. L. SIMPKIN & CO., LTD., SHEFFIELD

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Cumberland, Westmorland, Barrow, Lancashire, Cheshire, Stafford, Warwick, Worcester, Hereford, Shrops, Flint, Denbigh, Montgomery, Merioneth, Caernarvon, Anglesey, Northern Ireland

you will be supplied by: PARAMOUNT PRODUCTS, LTD., BRADFORD

IF YOU ARE IN THE SOUTHERN ZONE OR IN SCOTLAND:—

you are referred to your local confectionery wholesaler or manufacturer for supplies against ration documents. It is regretted there are no C.F. Manufacturers of Barley Sugar and Glucose Confections in these zones, and therefore reciprocal arrangements cannot be made.

A. L. SIMPKIN & CO., LTD.
Pharmaceutical Laboratories, Sheffield, 6

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The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

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TABLETS

A pluriglandular preparation for the stimulation of the Endocrine Glands. Suitably prescribed in cases where the symptoms indicate a disturbance of the normal functioning of the glands.

Corrects menstrual irregularities and relieves distress during the menopause.

Bottles of 25, 100, 250, 500 and 1,000 Tablets.

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We are pleased to announce that the Ministry of Food are releasing the necessary sugar and fresh blackcurrants to enable us to produce considerably increased supplies of Ribena Blackcurrant Syrup.

Ribena must still be sold only through qualified chemists, as a medical line and for children. The larger quantity now available will ensure that more chemists than hitherto are able to meet the demand for this rich source of Vitamin C (approximately twice the amount in fresh orange juice).

Chemists should order Ribena from their usual wholesalers—one size only—13oz. bottle 2/3d.

H. W. Carter & Co., Ltd., The Old Refinery, Bristol, 2
Established over 100 years.

Carters are also officially appointed manufacturers of
NATIONAL ROSE HIP SYRUP

CARTERS for VITAMIN FRUIT SYRUPS

MOORE MEDICINAL PRODUCTS

LIMITED
MANUFACTURING CHEMISTS
ABERDEEN and LEEDS



7 Bon-Accord Square, Aberdeen

Dear Mr. Chemist,

August 22, 1942

BROVON

To-day we are selling twice as much BROVON as we were a year ago.

We have always maintained that once an Asthmatic tries BROVON his or her search for the best alleviator is ended.

We can count on the fingers of one hand the number of complaints we have had about BROVON since we started business in December, 1939, while we have lost count of the hundreds of enthusiastic testimonials we have received during that period.

This is very gratifying, but we are not at all satisfied yet. We want every chemist in the country to stock and recommend BROVON, and so confident are we in our product that we can safely guarantee every one of you against loss on your initial order.

If you do not already stock BROVON, send us your order now. It will bring profit to you and thanks from your Asthma customers.

Yours very truly,

MOORE MEDICINAL PRODUCTS LTD.

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GUM KARAYA
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There are good supplies of Perox-Chlor in 1 gallon jars, and chemists can resell this so long as they set it against their "Toilet Preparations" Quota of £41 13s. 4d. per month.

1 gallon jars £3 each plus £1 Purchase Tax, or five 1 gall. jar lots £19 nett including Purchase Tax all carriage paid.

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MALT FOOD

With Guaranteed Complement of Vitamins A, B, C & D
Sole Manufacturers, JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N. 16



REPLENISH YOUR STOCKS OF SEVENSEAS NOW!

Our sailors and fishermen are overcoming every difficulty and hardship in keeping national stocks of cod liver oil replenished. There is, therefore, no actual or prospective scarcity of supplies, and the quality of SevenSeaS Standard and Concentrated Cod Liver Oils still remains, and will continue to remain, as in the past, the freshest and purest ever offered to the public.

But this year the national need and the difficulties of packing and delivery are greater than ever before. If you are to do your half of the job — always to be able to supply the national need and demand — you must order your winter and autumn stocks *now* and *keep on ordering further supplies two or three months ahead* of your estimated requirements.

Used by British Cod Liver Oil Producers (Hull) Ltd. St. Andrew's Dock, Hull.

CHINGFORD.

Sir,
"I have had much difficulty
in getting the Curicones in this
district."

BLACKPOOL.

Sir,
"Having recently been
recommended to try
your Curicones for
Rheumatism, I am
unable to find any
chemist in the town
stocking same."

Withington,
MANCHESTER.

Dear Sir,
"Unfortunately the
bottle she got seems to
be the last one obtain-
able in Withington."

*Are you
losing trade
this way?*

IF you find that your supplier is unable to fill your CURICONES order, write to us giving the name of your wholesaler, and we will do everything we can to get stocks to you without further delay.

Supplies, of course, will still be charged through your usual wholesaler.

Please note that the new prices of CURICONES, including Tax, are: Small size 5s., Medium size 14s., Large size 24s.

CURICONES is a P.A.T.A. line, showing 33 $\frac{1}{3}$ % profit.

There are at present enough

CURICONES

to give EVERYONE a fair share

ORDER THROUGH YOUR USUAL WHOLESALER

Stephen Matthews & Co. Ltd., 19/21 Farringdon St.,
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EXCEPTIONAL SERVICE AND TERMS

We invite
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Lowest prices
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**SURGICAL DRESSING
CHEMISTS' SUNDRIES
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Special attention
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Telegrams: STENNING, HARROGATE

HERE'S THE EXTRA nourishment war workers need...

Prepared in specially assimilable form and available in adequate supply, Jenner's offers a fine malted and sweetened food proved invaluable for over 50 years for tired workers, invalid digestions, old people, nursing mothers and infants.



JENNER'S Malted food

	Retail Trade
Malt and	small size 1/6 14/4 per doz
Chocolate Flavour	large size 2/8 25/6 "

SPLENDOR Ltd. 5, Beastmarket Hill
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(MIDLOTHIAN OAT FOOD)

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The total circulation is 2,804,517 copies per issue.

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M.O.F. is processed from the finest Scottish Groats and is recommended for—
Expectant and Nursing Mothers
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A DOCTOR SAYS:

"At all times a well-balanced diet is essential for good health; it is of supreme importance to the well-being of the expectant mother, and M.O.F. incorporates all that modern research has taught in regard to her special requirements."

Signed . . . M.D., F.R.C.S.E.

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WEST MILLS, COLINTON, MIDLOTHIAN



Retail
Price

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"MANHATTONE" FACE POWDER

In Shades of Natural, Peach, Rachel, and Sun Tan.

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Sells at 2/3, costs 10/3 + 66 $\frac{2}{3}$ per cent. Tax.

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10 $\frac{1}{2}$ cwt. Yellow Paraffin Jelly

10/20 tons Sod. Bicarb (slightly water damaged) packed 3 cwt. Vinesta Kegs

1 cwt. Pot. Iodid B.P.

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CDB/1111 London Office of this Paper

Concentrated PERFUMES for COSMETICS

Finest quality. 100% stable. For all purposes. Jasmin, 19/- 2 oz., 150/- lb. Lavender, 20/- 2 oz., 150/- lb. For creams only: Gardenia, 20/- 2 oz., 150/- lb. For bath salts: Pine, 12/- 2 oz., 70/- lb. Cash with order.

JOHN BRITAIN & CO., 16 Croydon Parade, Beckenham

SMART BOTTLES, large quantities, 1 $\frac{1}{2}$ -oz. and 2 $\frac{1}{2}$ -oz., with white enamel screw caps, suitable for Tablets, Powder or Liquid. Also 2-oz., 3-oz., 5-oz., and 6-oz. bottles and jars with bakelite and metal caps, corks.

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Phone Ham. 1691

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PRECIPITATED	OILS AND WAXES
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Send us your inquiries NOW. Prompt Deliveries from Stock.

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We offer Competitive Prices, Efficient Service
Prompt Deliveries . . . Enquiries invited

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ROUGE MOULD OUTFIT STILL OFFERED
£2, FROM STOCK, Lipstick colours, 16/- lb. Sample Range (10 Colours), 2/6 post paid. Colour for Bath Salts 2/- oz., Face Powder 8/- lb. a shades, also for Mascara, Hair Rinse; Brilliantine and Nail Varnish. **CREIGHTON (AGENCIES) CO.** 1a Queen's Avenue, Muswell Hill, Broadway London, N.10. (Please Note New Address.)

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LOOP-ENDS SANITARY TOWELS

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15/4 per gross carriage paid

Packed in units of 6 dozen and 1 gross

Special quotations for quantity buyers

Cash with Order. Carriage Paid

JASON & STUART PRODUCTS LTD.
PLANE ST. MILLS, OLDHAM, LANC.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

AUGUST 22
1942

28 ESSEX STREET, LONDON, W.C.2

CLASSIFIED SUPPLEMENT ADVERTISEMENTS

All classified advertisements must be prepaid—those not accompanied by remittance will be held over pending payment. Advertisements received after **FIRST POST WEDNESDAY** of week of issue will not be inserted until the following week.

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1/9 per nonpareil line. (12 lines = 1 inch, single column.)

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SITUATIONS OPEN

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FOR THE

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BOUR SHORTAGE.—Northern Ireland chemist in safe district with ample labour available is prepared to arrange and superintend Packing of Toilet, Medicinal or Veterinary Preparations for duration. Materials supplied by you will be used. Write (in confidence) CDB/1114, London Office of this paper.

CHEMISTS! Increase your profits and enhance your reputation by making your own Cosmetics. Face-powder and Talcum are freed from all restrictions.

We can supply the raw materials, including Essential Oils, Colours, Packing and Instructions for the manufacture of the following:—

5 lb. Face-powder 20/6, tax 13/8

5 lb. Bath Talcum 12/6, tax 8/4

1 lb. Rouge-powder 20/6, tax 13/8

Cash with Order or C.O.D. 1/- extra.

See Price List of Raw Materials on request.

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Concentrated Perfume Oils. Compound Lavender, 8 oz., for £2. Compound Violet, 8 oz., for £2 15s. Compound Carnation, 8 oz., for £2 15s.

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Perfumery Concentrates. High-class Concentrated Flower Oils, Perfume Compounds, etc., for perfuming all classes of Toilet preparations, including creams, lotions, brillantines, etc., etc. Small and large quantities of these best-quality Compounds supplied. Price List from Picot, Ltd., 14 High St. Park Road, Kew Gardens, London.

HANSETT RAZOR BLADES 2/6 (price controlled). 1 Gross to each customer. Price 18/- plus tax per gross while stocks last. Post free Cash with Orders.

HARMAN DIETETIC LABORATORIES, LTD.
109 Broadway, Cricklewood, N.W.2

Sodii Sesquicarbonate. (Feathery Crystals.) Sells well as Water Softener, etc. 35/- cwt.; 2-cwt. bags, 67/6. Genuine White Wax, 6/- lb.; 14 lb., 5/6. Snow-white Talc., 35/- cwt. One drop perfume Bottles with bakelite cap. 1 dram, 30/-; 1½ dram, 36/- gross. Nail Varnish Bottles with brush, 42/- gross. Tubes, pink silk covered, 1 oz. approx., 32/6 gross. Offers for up to 50 gross. Willson's, 102 Carr House Road, Doncaster.

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

None of the vacancies for women advertised in our columns relates to a woman between 18 and 30 inclusive unless such a woman: (a) has living with her a child of hers under the age of 14; (b) is registered under the Blind Persons Act; or (c) has a Ministry of Labour permit to allow her to obtain employment by individual effort.

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BRIGHTON. A qualified Assistant, Lady or Gentleman. Particulars, Smithsons, Chemists, Preston Circus, Brighton.

DISPENSER-BOOK-KEEPER, part time. required for North London Medical Practice. Write 411/126, London Office of this Paper.

DISPENSERS. Male or female, required immediately. Please apply with full details of experience, age, references and salary required to L. Rowland & Co., Ltd., Chemists, Mitre Bldgs., Brook Street, Wrexham, North Wales.

ILFORD. Qualified Assistant (male or female) required immediately or soon as possible. No Sunday or half-day duty. Apply by letter stating age, experience, and salary required. 409/984, London Office of this Paper.

MIDLANDS. Assistant required (not liable, or exempt military service). Must be quick, accurate dispenser with good experience of general retail business. Reply, stating salary, when disengaged, and references. Permanency, to CDB/1081, London Office of this Paper.

QUALIFIED Chemist required, to manage West End Pharmacy. Apply by letter, 410/105, London Office of this Paper.

QUALIFIED Manager for a quick cash Branch Business required at once. Chiswick district. Apply Bruce's, Ltd., 28 Broadway, Ealing, W.5.

QUALIFIED Pharmacist (male or female) required for Retail Dispensing Department. Must be exempt military service. Apply with full particulars to Chas. F. Thackray, Ltd., Park Street, Leeds.

QUALIFIED BRANCH MANAGERS required immediately. Houses available for Managers, immediate possession, North Wales area. Please apply, stating terms, age, experience and references, to L. Rowland & Co., Ltd., Chemists, Mitre Bldgs., Brook Street, Wrexham North Wales.

ROYAL Arsenal Co-operative Society, Ltd., have vacancies for qualified Managers and Assistants (either sex). Progressive positions, good conditions of employment, and no Sunday or holiday duties. Applications, stating full particulars of experience, salary required and position under the Military Service or National Employment Order Acts, to be addressed to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., 113 Powis Street, Woolwich, London, S.E.18. Endorse envelope "Pharmacy."

TAYLORS BRITISH CHEMISTS will shortly have vacancies for qualified Managers and Assistants, male or female, in Birmingham and Midlands, Leeds, Houghton-le-Spring, Northampton, Tamworth, Smethwick, Leicester, Thorne, Blackpool, Oldham, Ashton-under-Lyne, Ramsbottom, Bakewell, Accrington. Apply Retail Staff Dept., Burly Hill, Leeds, 4.

UNQUALIFIED Assistants (either sex) required with or without Dispensing experience. C wages, hours and conditions of employment. A in writing, stating full particulars of experience, position under the Military Service or National Employment Acts to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

WANTED. Unqualified or Qualified Assistant with dispensing experience. Apply Ferris Co., Ltd., 23 St. Stephen Street, Bristol.

WANTED. Qualified Chemist (male or female) manage Branch Shop for the emergency permanent position. Written applications, stating age and experience to the Oldham Industrial Co-operative Society, Ltd., King Street, Oldham.

WANTED, qualified Lady Assistant. Applicant stating experience, age and salary required. Permanency, easy and comfortable situation, eventually becoming partner in business, to W. Snodgrass, Drug, Photographic and Veterinary Stores, 51 Market Street, Alfreton, Derbyshire.

WANTED, Dispenser with all-round experience by Pharmacy in the Midlands; safe area. Permanency for suitable Man. Urgently required, military age or exempt. Apply CDB/1115, London Office of this Paper.

WANTED, Dispenser with all-round experience over military age or exempt. Permanency for suitable Man; safe area. Urgently needed. Anderson & Virgo, 12 The Foregate, Worcester.

LOCUMS WANTED

LOCUM, Qualified or Unqualified, August 31 to October 3rd. Central London. Apply 410/101, London Office of this Paper.

QUALIFIED Locum required. Hounslow. August 31 to September 12 or September 14 to September 21 inclusive. 411/121, London Office of this Paper.

WHOLESALE

ASSISTANT for pricing Company's Stock Book. Suit elderly Chemist. Part time convenient. Apply 411/131, London Office of this Paper.

AREPRESENTATIVE is required by the National Co-operative Wholesale Society, Ltd., to call on Drug Departments of Retail Co-operative Societies. Not a war-time vacancy. Applicants must be qualified and be fully conversant with the whole drug trade, and preferably have had previous experience. Applications stating age, experience, liability for military or national service, and salary required, to be addressed to the C.W.S., 11 Balloon Street, Manchester, 4, endorsed "National Co-operative Representative," to be received not later than September 5, 1942.

COSTING Clerk required, male or female. Call Harker, Stagg & Morgan, Ltd., Emmott Street, Mile End, London, E.1.

EAST Lancs. Wholesale Chemists require a capable and active Assistant to take charge of the Dept., distributing Wets and Drugs to Retail trade. CDB/1105, London Office of this Paper.

EXPERIENCED Works Chemist wanted, accustomed to manufacture of disinfectants and similar preparations. Give full particulars, previous experience, etc., to 411/118, London Office of this Paper.

IMPORTANT Manufacturing Chemists required. Two Representatives for the London area. Must be ineligible for military service, and have a knowledge of the Wholesale Chemical Trade. Full particulars, which will be treated in confidence, to 411/119, London Office of this Paper.

CHEMIST WANTED FOR IRELAND

Must have complete knowledge of the manufacture of Glandular extract. Please give full particulars including past history to C Box 674 to Erwoods Ltd., 30 Bouverie Street, London, E.C.4

ORATORY Worker required (exempt), Tablets, Ointments and General Work. Blackwell, & Co., Ltd., Wholesale Pharmacists, 54 Street, Birmingham, 4.

REPRESENTATIVE having established connexion with Retail Chemists in Eire required by firming nationally advertised proprietary lines. commission and expenses. Write, giving age and details, to Box No. 657, C. Mitchell & Co., Snow Hill, London, E.C.1.

ES Ledger Clerk, Female, must be experienced; permanency if satisfactory. C. R. Harker, Staggan, Ltd., Emmott Street, London, E.1.

WELL-KNOWN Company of Manufacturing and Distributing Chemists require a Representative with Scotland. Previous experience necessary. Applicants must reside on the territory. Age and particulars should be given. Applications treated in confidence. 410/104, London Office of this Paper.

APPOINTMENTS

MILLER GENERAL HOSPITAL

GREENWICH, S.E.10

Second Assistant Pharmacist, female, required. Federated Superannuation Scheme in force. Lunch and tea provided. Apply to the Secretary stating salary, age, qualifications and experience, and enclosing copies of testimonials.

HERTFORD COUNTY HOSPITAL

Applications are invited for the position of Pharmacist. Candidates should be Members of the Pharmaceutical Society and have had experience in Voluntary Hospitals. Federated Superannuation Scheme in force. Applications, stating age, qualifications, experience and salary required, accompanied by copies of three recent testimonials, should be submitted to the House Governor not later than August 31. Percy G. Brooks, House Governor.

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SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

None of the vacancies for women advertised in our columns relates to a woman between 18 and 30 inclusive unless such a woman: (a) has living with her a child of hers under the age of 14; (b) is registered under the Blind Persons Act; or (c) has a Ministry of Labour permit to allow her to obtain employment by individual effort

RETAIL (HOME)

ASSISTANT, competent dispenser. Salesman. Single, active, elderly, unregistered, accustomed to manage. Statim, Silverdene, Silverdale, near Carnforth, Lancs.

UNQUALIFIED, exempt, thoroughly experienced, desires post, capable of managing pharmacy as drug store, if owner is called to the Forces. 411/133, London Office of this Paper.

WHOLESALE

ASSISTANT, competent dispenser, salesman single, active, elderly, unregistered. Accustomed to manage. Statim, Silverdene, Silverdale, Near Carnforth, Lancs.

CHEMIST'S Assistant (unqualified), 28, seeks position in factory or otherwise. Good references. Free in about a month. Particulars, 411/125, London Office of this Paper.

FIRST-CLASS Representative (discharged Services) good connexion Chemists, London, Eastern Counties, also Midlands, Southern Counties; own car; desires Representation with house of repute. 410/111, London Office of this Paper.

QUALIFIED chemist, experienced in pharmaceutical and foodstuff manufacturing work, seeks post in chem.-pharm. or foodstuff factory. Best references. Not liable to military service. 411/124, London Office of this Paper.

REPRESENTATIVE seeks good house. Established connexion chemists and stores, South Wales, West of England. Speciality considered. Commission preferred. CDB/1113, London Office of this Paper.

REPRESENTATIVE, 45, exempt all military service with excellent connexion (16 years) Chemists and Stores London, Surrey, Kent, Drugs and Toiletries, seeks position; highest references; car driver. 407/911, London Office of this Paper.

WELL-KNOWN representative, excellent connexion of twenty years' standing wishes to handle another line in place of one ceasing to exist through war. References provided. 411/132, London Office of this Paper.

YOUNG Man (33) requires position as Medical or Pharmaceutical representative or with reputable wholesale house. Excellent pharmaceutical experience. Exempt military service. 411/120, London Office of this Paper.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

REPRESENTATIVES required to sell excellent additional line to Retail Chemists, on high Commission basis. Well-introduced Gentlemen with good connexions please apply stating territory covered, to 411/123, London Office of this Paper.

MISCELLANEOUS SALES

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APPROX. 700 lb. of Cinnamon Extract for immediate delivery. Albert E. Maiden, 419 Lord Street, Southport. Tel. 2647. After Hours, 2540.

BOTTLES: 2-oz. plain Flat Bottle, 2s. 10d. doz.; 2½-oz. Panel Bottle, 3s. 1d. doz.; 4-oz. Round Bottle, diameter of mouth ½ in., 2s. 10d. doz. All lines have screw caps. Carriage forward. Cash with order. H. S. Bottle Co., 29 Sherwood Hall, East End Road, London, N.2.

FINEST Quality Stearic Acid. Triple pressed B.P. 5s. 6d. per lb. Minimum 7 lb. lots. Sheard, 9 Leeds Road, Harrogate.

GUM KARAYA POWDER, actual spot, guaranteed genuine. 5 cwt. only at 4s. 9d. lb. Dealer, 6 Rosedene Avenue, Morden, Surrey.

LIPSTICKS and Face Powders, M. Walker, Ltd., wholesale warehousemen, are again able to supply a limited quantity of lipsticks and face powders. Inquiries invited. 190 High Road, Wembley.

PERFUMES: 4 lb. Rosemary oil French B.P., 6 lb. Geranium oil artificial, 1½ lb. oil for soap, White Lilac—by Polak and Schwarz. 10 lb. Spike Lavender oil, Spanish; 2 lb. oil for soap, Muguet—by Antoine Chiris. Original tins. Offers, CDB/142, London Office of this Paper.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ADDITIONAL lines suitable for chemists, perfumery and hardware departments, large London and provincial stores, are sought by London firm with good connexion among these. Write 411/122, London Office of this Paper.

ATOMISER Bulbs and Tubes wanted. British Medica Laboratories, Ltd., 5 Heathcote Road, Boscombe, Bournemouth.

BOTTLE Manufacturers require contracts, and orders for small Bottles, 1 oz. to 6 oz., especially 1 oz., 2 oz., 4 oz. Screw Neck and Corkmouth Flats to ensure regular flow of production. Competitive prices and prompt deliveries. Good opportunity for firms to safeguard supplies for duration. Write 411/130, London Office of this Paper.

CAPSULE-MAKING and Filling Machine; new or second hand, for Lighter Spirit. State full particulars and where can be viewed. Shane, 37 Harrow Pl., London, E.1.

HIGH prices are offered for all types of high-class photographic instruments, Leicas, Contaxes, Rolleiflexes, etc. Also 16 mm. Talkies. B. Salter & Son, 34 Castle Street, Shrewsbury.

PHENACETIN required in large or small quantities for cash. J. Brummer, 26 Fairholt Road, London, N.16. Tel.: Stamford Hill 2123.

PERFUME wanted by Lady. Tabac Blonde preferred, or other well-known make. State size, make and price. Miss K. Clifford, 51 Chepstow Place, London, W.2.

SACCHARIN Tablets wanted. Full and half-strength. Large quantities purchased for cash or commission paid for genuine recommendation. G. H. Smith, 34 Greenfield Gardens, Hendon Way, London, N.W.2.

SAFE wanted immediately for business use. price offered. Also Typewriter, Standard portable. 411/123, London Office of this Paper

WANTED, Triethanolamine and First Quality Stearic Acid, triple pressed. Please samples and prices. Portable typewriter also wanted CDB/1110, London Office of this Paper.

WANTED Bakelite Caps, all sizes; also Perfumery Medical Bottles and Glass Jars. 37 Lewis Road, London, S.E.13.

WANTED by England's largest photographic dealers. All Miniature Cameras, extra lenses and accessories, Rolleiflex, Leica, Contax, Ikon etc.; also Microscopes and Cine Projectors. High prices guaranteed. Wallace Heaton, Ltd., 127 Bond Street, W.1.

WANTED, pint, quart and 80-oz. amber glass chests, cork mouth or screw cap. quantity and price. Calmic Ltd., Westthorpe Lanes, Westthorpe 248.

WANTED. Powder-filling Machines, Sifter Mixer. State price and where can be viewed. Shane, 11 Mapesbury Road, London, N.W.2.

KODACHROME 8 mm. films, new or out of date. Kodak 8 mm. feature films also required. subject. Good prices paid. Offers to CDB/142, London Office of this Paper.

Weighing and Filling Machine for Powder, small capacity, urgently required. Send details and price 410/106, London Office of this Paper

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FOR Disposal, Herbalist and Drug Stores. Established 15 years. Takings £800 per annum. Lock-up shop, going concern, about £300. Over retiring. Hearse & Co., 9 Holloway, Bath.

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ADVERTISER is interested to purchase outright or controlling interest of an established to preparations and cosmetic factory making talcum powder, talcum powder, lipstick, face cream, brillantines, etc. London or provinces. Please write full particulars in strictest confidence to Principal Jay Ess, 11 Mapesbury Road, London, N.W.2.

ADVERTISER (Pharmacist) desires to purchase Manufacturing or Wholesale Chemist's business preferably West Riding of Yorkshire. Would consider active partnership. Replies in strict confidence. 411/129, London Office of this Paper.

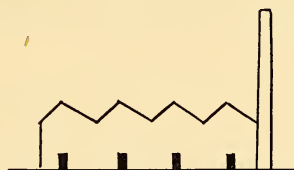
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